



3 1761 11651320 1

RB5099

V. 122-123



Presented to  
The Library  
of the  
University of Toronto  
by  
Hon. C.P. McTague

CAI  
Z 1  
-59721

Government  
Publications

page

Canada. Royal commission on transportation  
Hearings. V. 122-123. 1960.

1961



*Hon C. P. McTaggart*

# ROYAL COMMISSION

ON

# TRANSPORTATION

## HEARINGS

HELD AT

OTTAWA

VOLUME No.:

122

DATE:

21 Nov 1960

OFFICIAL REPORTERS  
ANGUS, STONEHOUSE & CO. LTD.

372 BAY STREET  
TORONTO

EM. 4-7383

EM. 4-5865





I N D E X

Page No.

BROWNE, J. Ferguson

Direct Examination by Mr. Drysdale 20128

Cross-examination by

Mr. Cooper 20162

Mr. Macdougall 20200

Mr. Frawley 20265

By the Commission

Mr. Balch 20278

Mr. Mann 20280

Statement by Mr. Drysdale 20282

E X H I B I T S

EXHIBIT NO. 184: Bill C-25 20131

EXHIBIT NO. 185: Bill C-29 20131

VOLUME 122

Page 20213 line 22: change "us" to "cost"

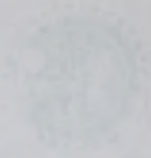
20219 13: change "obtained" to "paid"

20224 10: change "months" to "years"

20249 14: change "deal" to "tool"

20250 7: change "deal" to "tool"

20259 13: change "standard" to "satisfactory"



1. 1. 1.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



ANGUS, STONEHOUSE & CO. LTD.  
TORONTO, ONTARIO

## ROYAL COMMISSION ON TRANSPORTATION

Proceedings of hearings held  
in the Court Room, Board of  
Transport Commissioners  
Offices, Ottawa, Ontario, on  
the 21st day of November, 1960.

### COMMISSION

Mr. M. A. MacPherson, Q.C.	Chairman
Mr. H. Ancomb	Member
Mr. A. H. Balch	Member
Mr. R. Gobeil	Member
Mr. H.A. Mann	Member
Mr. A. Platt	Member

### COMMISSION COUNSEL

Mr. A. G. Cooper, Q.C.	
Mr. G. S. Cumming	
Mr. H. W. Ellicott	Adviser
Mr. F.W. Anderson	Secretary
Major N. Lafrance	Assistant Secretary



Digitized by the Internet Archive  
in 2023 with funding from  
University of Toronto



Ottawa, Ontario,  
Monday,  
November 21, 1960.

--- Commissioner Gobeil not present ---

--- On commencing at 10:00 a.m.

THE CHAIRMAN: Order, please.

Gentlemen, we have been across Canada, and we have heard every Premier of Canada but one, and he was in hospital; but this is the first time we have two members of the House of Commons before us. Mr. Browne, I understand, is the witness and Mr. Drysdale is his counsel.

MR. DRYSDALE: That is right, sir.

J. FERGUSON BROWNE, called

DIRECT EXAMINATION BY MR. DRYSDALE:

Q. Mr. Chairman and gentlemen, might I first say we are very pleased to have the opportunity of appearing before you and in particular to have Mr. Browne present his views which he is doing in his capacity as an individual.

Mr. Chairman, I think first of all I would like to qualify Mr. Browne and give a little bit of his background and Mr. Browne will confirm the statements I make.

Mr. Browne has been associated with the trucking industry for some twenty-five years, and I





1  
2 think, too, Mr. Chairman looking over the transcript of  
3 the evidence this is the first -- I was going to say the  
4 first practical witness, or somebody that has been  
5 intimately and actively associated with the trucking  
6 industry.

7 From 1935 to 1940 Mr. Browne was associated  
8 with the Wells Cartage Limited, a Vancouver trucking  
9 firm. From 1940 to 1946 he was overseas with the Royal  
10 Canadian Army Service Corps; and from 1946 to 1951, Mr.  
11 Browne had his own firm, Empire Cartage, which was a firm  
12 of some seven trucks.

13 From 1951 to the present time, Mr. Browne  
14 re-affiliated with the Wells Cartage Company in the  
15 capacity, first of all, as Traffic Manager, and  
16 subsequently he became a director and General Manager of  
17 this firm.

18 Wells Cartage does ninety per cent of its  
19 business locally in the Vancouver and has some 35 units.

20 Mr. Browne was elected as a Member of  
21 Parliament to Vancouver-Kingsway in 1958.

22 Wells Cartage firm is associated with the  
23 Automotive Transport Association of British Columbia  
24 which in turn is affiliated with the Canadian Trucking  
25 Association.

26 A. That is correct.

27 Q. Mr. Browne, I am advised, filed twenty-  
28 five copies of the brief with the Commission, I believe  
29 it was, October 24 and in addition mailed copies of  
30 the interested parties.

I would ask Mr. Browne if he would now read





1  
2 his brief, and I believe he also has a preliminary  
3 statement he would like to make.

4 A. Mr. Chairman: Before I commence reading  
5 my brief, I want to thank you for the opportunity of  
6 presenting my views and to state briefly what I consider  
7 my status in appearing before the Royal Commission on  
8 Transportation. I am appearing as a member of  
9 Parliament of Canada and the views I express are those  
10 which in my opinion will best serve the national  
11 interest.

12 I would like to emphasize that these views  
13 are not presented as the views of the trucking industry,  
14 but represent my own thinking with the experience of  
15 twenty-five years in the trucking industry. I would  
16 also like to point out that the firm I am associated  
17 with does not necessarily endorse all or any of the  
18 views contained in this brief, nor am I in any way  
19 speaking on their behalf. In fact, in so far as I am  
20 aware, they do not stand to benefit from any of the  
21 policies that I have advocated in my brief.

22 Most of the views contained in my brief have  
23 been expressed at various times in the House of Commons  
24 and in committees of the House.

25 I have also introduced bills in the House,  
26 and purpose of which is to bring about legislative  
27 changes concerning transportation in Canada, however,  
28 before they could be brought before the House for  
29 debate, this Commission on transportation was  
30 appointed and I felt it would be preferable to place  
my views before the Commission first before proceeding





1  
2 with them in the House.

3 I would like to introduce as exhibits Bills  
4 C-25 and C-29 which I first introduced in 1958 and  
5 which I have re-introduced at subsequent sessions.

6  
7 --- EXHIBIT NO. 184: Bill C-25

8  
9 --- EXHIBIT NO. 185: Bill C-29

10  
11 The two bills that I am introducing as  
12 exhibits are dealt with later on in the brief; at least,  
13 the subject matter of the two bills, and I simply put  
14 them forward for your information.

15 Now, I would like to proceed with the reading  
16 of the brief.

17 1. The problems of Canadian transportation  
18 are important, complex and controversial. Therefore  
19 it is only natural to expect that they be approached  
20 from different points of view and that the areas of  
21 disagreement are wider than the areas of agreement.  
22 All this implies an obligation on the part of anyone  
23 appearing before this Commission to state clearly the  
24 fundamental principles on which his presentation is  
25 based.

26 2. The fundamental principles on which  
27 this submission is based are:

- 28 1. Belief in the efficiency of the  
29 competitive free enterprise system; and  
30 2. Belief that progress must be





1  
2 encouraged, and that the costs of changes  
3 imposed by new methods, new equipment  
4 and new patterns of consumption and  
5 production must be accepted as the  
6 necessary price.

7 3. There are few who would disagree with  
8 these principles but, on the other hand, many of those  
9 who theoretically agree with them are quite willing to  
10 advocate policies inconsistent with the belief in  
11 competitive enterprise and the encouragement of progress.

12 4. A clear statement of the basic principles  
13 is especially important today. Transportation is fast  
14 becoming a field of growing competition; it is also a  
15 field in which a very rapid rate of technological and  
16 marketing progress has brought about -- and is bringing  
17 about -- changes of such magnitude as to make it  
18 necessary to examine critically some of the views and  
19 policies which were generally accepted and non-  
20 controversial in the past.

21 5. This submission is focussed on the  
22 problems of the Canadian trucking industry. No apology  
23 is needed for this approach. Some of the basic changes  
24 which have occurred in the Canadian transportation  
25 scene have been brought about by the emergency of  
26 highway transport. These changes caused problems to  
27 other means of transport -- notably the railways --  
28 but they also brought immeasurable benefits to  
29 shippers. Even if one agreed, in regard to  
30 transportation, that the solution of the railway





1  
2 problem is the most urgent or immediate task facing  
3 the Dominion, -- and this is not the view with which  
4 I agree -- even then, one would have to consider the  
5 impact on the trucking industry of any solutions  
6 proposed.

7 6. There are two main classes of benefits  
8 which highway transport brought to the nation's  
9 consumers and producers:

10 1. Benefits of new service, i.e., greater  
11 variety of service and wider range of  
12 services and rates; and

13 2. Benefits of competition which, in an  
14 increasing number of cases, puts a ceiling  
15 on rates which can be charged by other means  
16 of transport, and, at the same time, forces  
17 the competing industry to improve the quality,  
18 or increase the range, of its services, when  
19 such policies are justified.

20 7. These benefits can only continue and be  
21 extended if the trucking industry continues to expand  
22 and if the independent trucking industry exists. The  
23 independence of the trucking industry is essential if  
24 benefits from competition are to be obtained -- seldom,  
25 if ever, will a subsidiary force its "mother-company"  
26 to make competitive adjustments.

27  
28 The Changing Nature of the Trucking Industry.

29 8. Understanding of the basic changes of  
30 the trucking industry is essential in order to appreciate





1  
2 the changes which this industry brought about in the  
3 transportation scene as a whole. These changes have  
4 been described at length in the submission presented  
5 on behalf of the trucking industry by its national  
6 organization. It is useful, however, to state briefly  
7 the main lines along which the industry developed and  
8 trace the implications of these developments on  
9 national transportation policies.

10 9. The most important lines of the  
11 industry's development can be summarized briefly under  
12 three headings:

- 13 1. Increase in the range of operations
- 14 2. Increase in the efficiency of highway  
15 operations, both as the actual carriage and  
16 the terminal handling are concerned; this, in  
17 turn, resulting in the shift of economic  
18 advantages between highway and railway  
19 transportation
- 20 3. Increase in specialization within the  
21 industry -- specialization of equipment, and  
22 of firms in different types of operation.

23 10. As the result of these changes, the  
24 trucking industry's competition has increased,  
25 affecting a greater range of commodities and longer  
26 haul traffic. At the same time, it is increasingly  
27 difficult to speak about an "average truck" or "average  
28 firm": in order to serve different sectors of the  
29 transportation market, the trucking industry, through  
30 a process of competitive adjustments, became diversified,





1  
2 and today it may be more correct to say "trucking  
3 industries" than "trucking industry".

4 11. All sectors of the trucking industry are  
5 important but, for the purpose of this inquiry, the  
6 most important sectors are those which directly compete  
7 with the railway industry, and which are of national  
8 rather than local significance. These are the sectors  
9 where larger firms are more typical and where capital  
10 investment tends to be considerable. In fact, there is  
11 a necessary relationship between length of haul,  
12 capital investment and size of the firm; in order to  
13 provide long haul service with large and economic  
14 equipment, sizeable investments and large organization  
15 are necessary.

16 12. The changes which have taken place  
17 within the trucking industry have made traditional  
18 approaches to the problems of transportation obsolete.  
19 No longer can it be assumed that the independence of the  
20 industry cannot be affected by the acquisition of a  
21 few companies. No longer can the industry be assumed  
22 to have a local or regional character. The industry's  
23 operations affect all provinces and all regions of  
24 Canada.

25 13. The implication of these changes is  
26 this:

27 -- whether we want it or not, national  
28 transportation policy must take into account highway  
29 transportation, and a national policy for highway  
30 transportation is essential.





The Aims of National Highway Transport Policy.

14. National policy affecting highway transport must necessarily be a part of the national transportation policy. The transportation system of this country is so closely inter-related that no longer can we afford to have a number of unrelated separate policies for individual industries. The same guiding principles should be followed in our treatment of highway transportation, railways, commercial aviation or pipelines.

15. The first aim of the national transport policy should be preservation of the principle of freedom of choice as to the means of transport, as long as it is technically or economically possible. This means that possibilities of the establishment of a transportation monopoly should be watched carefully, and, if necessary, counteracted. Monopolies can be established either through purchases of competing firms, or through rate practices which lead to elimination of competition. The application of this principle requires national control over the acquisition of transportation firms by firms established in other transportation industries and also the right of one transportation industry to intervene in cases where the rates established by its competitor may lead to elimination or weakening of the competition.

16. The second important aim of transportation policy must be the encouragement of progress. In practice, it must mean that no





1  
2 protection should be given to the established transport  
3 medium, either through a one-sided subsidy, or through  
4 preferential legislation. The word 'established' is  
5 stressed here because in practice it may be a sound  
6 developmental policy to encourage the growth of a  
7 new and promising industry. However, as soon as an  
8 industry has established itself and is capable of  
9 standing on its own feet no preferential treatment should  
10 be given to it to defend it against the new forms of  
11 competition.

12 17. Transportation assistance has -- and  
13 probably will -- be used as a means for the promotion  
14 of certain geographical regions, or for the achievement  
15 of national aims. Any such assistance program carried  
16 on through transport subsidies should take into  
17 account the development of all transportation industries.

18 18. How does the national highway transport  
19 policy fit into this framework?

20 19. If national transportation principles  
21 are to be applied to the field of highway transport  
22 than the following conditions must be met:

- 23 1. The impact of policies which affect  
24 highway transport must be considered in  
25 relation to the trucking industry;  
26 2. The impact of the rate policies of the  
27 established forms of transportation on  
28 highway transport must be taken into account;  
29 3. The legislative framework within which  
30 the trucking industry operates must be





1  
2 adjusted to the present needs of the industry;

3 4. Any attempts to establish a monopoly in  
4 the competitive sector of the industry must  
5 be prevented.

6 20. Unfortunately, these conditions have  
7 been ignored, partly because the importance of highway  
8 transportation has not been fully recognized in the past.  
9 The recognition of the part this industry plays, and  
10 the drawing of practical conclusions from this  
11 recognition, would contribute towards the solution of  
12 national transportation problems.

13 Policies Affecting Highway Transportation.

14 21. Transportation industries have been  
15 consistently used as "instruments" of the economic  
16 unification of the country and assistance to certain  
17 regions of Canada. In practical terms, this policy  
18 principle was applied in practice in the following  
19 ways:

20 1. Subsidies -- either direct or through  
21 loans or guarantees -- for railway  
22 construction;

23 2. Grants on a Federal-Provincial cost-  
24 sharing basis towards construction of the  
25 Trans-Canada Highway;

26 3. Construction of the St. Lawrence Seaway,  
27 as well as other canals and waterways;

28 4. Construction of harbours, docks and  
29 wharves;  
30





5. Construction of airports and aerodromes;

6. Subsidization of movement of certain  
railway freight ("bridge" subsidy, Maritime  
Freight Rates subsidy) or the same type of  
subsidization nationally (Freight Rates  
Reduction Act); in the same general category  
one must include meeting the deficits of the  
Canadian National Railways;

7. Deficits on the operation of certain  
harbours and wharves;

8. Deficits on the operation of airports  
and airways.

22. It may be noted that the assistance  
enumerated under headings 1 to 5 (inclusive) has been  
of the nature of an investment in the general efficiency  
of our "national plant". Although some of it might  
have been misdirected, the results of these policies  
were of large and lasting benefit to Canada. In fact,  
it has been a traditional policy in this country to assist  
those transport developments which helped to unify  
Canada, or increased national prosperity, and it must  
be source of pride that most of the transport  
undertakings assisted became self-supporting, or are on  
the way to being self-supporting.

23. However, with growing complexities in  
the transportation field future investments in  
transport must be carefully planned not only from the  
point of view of direct benefits to the recipients,  
but also from the point of view of the general impact





1  
2 on all the transportation media. Had this policy  
3 been consistently followed, the development of St.  
4 Lawrence Seaway would be co-ordinated with the  
5 construction of adequate facilities for further  
6 distribution of goods from harbours. For example, the  
7 increase in the importance of Lakehead as a St.  
8 Lawrence port must be matched with the establishment  
9 of satisfactory loading and unloading facilities for  
10 trucks, as well as highway improvements, so that the  
11 economic benefits of the harbour can be felt as widely  
12 as possible.

13 24. It would be most valuable if the  
14 Commission found it possible to include a co-ordinated  
15 planning of national transport investments -- invest-  
16 ments by the federal government -- among its  
17 recommendations. Such co-ordination of investment  
18 policies in transport would have to take into account  
19 the interests and potential contribution of all means  
20 of transportation.

21 25. If other means of government assistance  
22 to transport industries are considered, they fall under  
23 a broad heading of subsidies. Some of the subsidies  
24 are aimed at assistance to certain regions of the  
25 country; some are of the "developmental nature"; being  
26 aimed at helping new and developing industries; some  
27 represent the costs of keeping declining or inherently  
28 unprofitable systems in operation; some are aimed at  
29 keeping certain transportation costs down.  
30





1  
2 26. ~~Certainly~~, there ~~is no subsidy~~ which cannot  
3 be justified on some grounds and which would not  
4 bring benefits to somebody. The problem, however,  
5 is to establish clearly what we are trying to do, how  
6 much are we actually getting for our expenditure, and  
7 what is the net effect of the present systems on the  
8 transportation system of the country as a whole.  
9 In particular, it is important to consider whether  
10 subsidies now existing promote or harm the development  
11 of new transport services, or competition in transport.  
12 It must be remembered, first and always, that it is  
13 the competitive system of free enterprise which,  
14 in the long run, assured the shipper and consumer  
15 of a type of service which he requires at the lower  
16 cost possible. Therefore, a study of competitive  
17 effects of subsidies is essential, and where such  
18 competitive effects are adverse, suitable remedies  
19 must be introduced.

20 The Problem of Subsidies

21 27. Any subsidy program introduces a competitive  
22 dislocation. An industry receiving a subsidy  
23 is in a better competitive position than other  
24 transport agencies competing in the same traffic  
25 market. It follows, therefore, that a subsidy granted  
26 to one means of transport must retard the development  
27 of the competing transport industries. Furthermore,  
28 an operating subsidy is tied to a certain level  
29 of costs and operating standards, and therefore  
30 tends to grow with the increase in costs. But what





1  
2 are the legitimate cost increases? Parallel with  
3 the rise of materials and with wage increases, new  
4 methods are introduced which tend to keep costs  
5 down. In efficient competitive industries everything  
6 is done to reduce costs in face of rising prices.  
7 If it is not done, a firm cannot survive. In a  
8 subsidized industry, the problem is much more complex.  
9 If today we decided to subsidize the railways so as  
10 to freeze all railway rates at a certain level, and  
11 if tomorrow railway wages go up by 10 per cent,  
12 what allowance should we make for that? Full  
13 allowance for railway cost increase; due to the  
14 rise in labour costs, or only partial allowance  
15 (since the increase in wage rates is -- partially,  
16 at least -- counter-balanced by the increase in  
17 productivity)? If so, who is to make the determination,  
18 the railway managements themselves, or some other  
19 body? If some outside agency is to determine the nec-  
20 essary level of a subsidy increase will it not  
21 assume some of the prerogatives of railway management?  
22 These are the problems of subsidies; problems which  
23 do not exist if the natural play of competitive forces  
24 is allowed.

25 28. Nevertheless, there are situations where  
26 subsidies are required to assist certain regions or  
27 industries, which, without subsidies, might find  
28 it difficult to continue producing in a competitive  
29 market.

30 29. In such cases the principles involved should





1  
2 be clearly stated. It must be stated who is to be  
3 the benefactor of the subsidies. Furthermore, the  
4 subsidies must be organized in such a way as not to  
5 disturb the changing competitive balance between trans-  
6 port industries.

7 30. In practical terms the now outmoded policy  
8 of having one transportation industry as a  
9 chosen instrument must be discarded. It follows that  
10 any subsidy which is allocated to assist a particular  
11 class of shippers must be granted in such a way as  
12 to enable the subsidy benefactors to choose the  
13 transportation medium which suits their needs. In  
14 the case where the number of shippers is large and the  
15 number of carriers is limited the best way of  
16 meeting this requirement is by paying the subsidy  
17 to all the established competing carriers who, in turn,  
18 will reduce their rates by the percentage corresponding  
19 to the subsidy payment. Since competitive conditions  
20 can can be relied upon to keep the rates at a minimum,  
21 the subsidy payments would produce a genuine  
22 reduction of freight costs. In the case where the  
23 number of shippers is limited, the best way is to  
24 give the subsidy to the shipper directly, who will  
25 then allocate the subsidy monies in such a way as  
26 to assure maximum benefits. The first method is  
27 obviously applicable in the case of the Maritime  
28 shippers, the second in the case of grain movements,  
29 if it is decided that Maritime freight rate assistance  
30 is to be continued, in accord with the conditions of





1  
2 Confederation, and if a subsidy on export grain movement  
3 is recommended.

4 31. On the other hand, a general 'blanket'  
5 subsidy granted to one means of transport -- railways --  
6 in order to reduce all the rates, or even all the  
7 non-competitive rates, is difficult to justify.  
8 Its benefits are spread at random, and potential  
9 competitive complications are at their worst.

10 32. In theory, a blanket subsidy benefits long-  
11 haul shippers more than short-haul. In this way,  
12 it also retards the development of competitive  
13 on long-haul markets. One must be consistent; one  
14 cannot argue that the long-haul railway customer  
15 deserves a subsidy because the competition on long-  
16 haul movements is weak -- an argument less and less  
17 true with the growth of long distance trucking --  
18 and, at the same time, subsidize railway movements  
19 which would further weaken this competition.

20 33. Furthermore a blanket railway subsidy affects  
21 adversely any possibility of combined rail-truck  
22 movements. Even if it is more economical to ship  
23 a particular commodity part way by truck, and part  
24 way by rail, by virtue of the subsidy the maximum  
25 railway haul will always be chosen. In this way, ra-  
26 tionalization of the Canadian railway system is further  
27 postponed, and the need for a subsidy increased.

28 34. If the disadvantages of the areas of Canada in  
29 which are located far from their markets or supply  
30 sources are to be diminished, the way to do it is





1  
2 through an aggressive and planned program of cost-  
3 cutting investments, since by this method the  
4 source of the problem -- high costs of production or  
5 distribution -- is attacked and not its manifestation.  
6 In this way the basic problems are solved rather than  
7 their symptoms being buried under a growing burden  
8 on the taxpayer's pocket.

9 35. The most important point, however, is this:  
10 there is no better, and in the long run, no cheaper,  
11 solution to the problem of high rates, and/or inadequate  
12 service, than competition. Any policy which adversely  
13 affects competition leads to higher costs, and  
14 greater problems. Any policy which promotes competition  
15 leads to a better distribution of the benefits accruing  
16 from technical and economical progress.

17 Regulation

18 36. The reason for economic regulation in trans-  
19 portation is the protection of the long-term  
20 interests of the customer. This aim can only be  
21 achieved through the promotion of healthy, competitive  
22 carriers who can assure the continuity and quality of  
23 service the customer needs and expects, and  
24 the lowest possible rates consistent with fair returns  
25 to the suppliers of the service. If the continuity and  
26 the quality of service is to be protected, then the  
27 existence of carriers and their ability to  
28 bring into the service new and better equipment must  
29 be protected too. An intelligent and far-sighted  
30 policy of regulation is not inconsistent with the





1  
2 promotion of competition. On the contrary,  
3 it enables the full benefits of competition be  
4 reaped by the creation of conditions under which  
5 the long-range interests of the public and of  
6 the carriers are protected, and where both the  
7 suppliers and the consumers of transportation services  
8 are able to plan ahead.

9 37. This general principle can be translated into  
10 the following practical tests against which  
11 any existing regulatory system can be judged:

- 12 1. Does it take into account the long  
13 range development trends of the industry,  
14 and does it enable the carriers and the  
15 public to plan ahead?
- 16 2. Does it strengthen the healthy competi-  
17 tive elements, i.e., does it encourage  
18 the growth of strong enterprises and  
19 protects the public against the possibil-  
20 ities of the creation of unwanted  
21 monopolies?
- 22 3. Is it consistent over time, across the  
23 country, and does it apply the same  
24 basic principles to all industries?

25 38. Even a very brief survey of the present  
26 regulatory framework affecting the transportation  
27 industries indicates that it falls short of meeting  
28 these tests.

29 39. Let us consider the trucking industry first.

30 40. The industry is regulated independently





1  
2 by ten provincial boards, which in the case of  
3 interprovincial or international movements act as  
4 federal boards. No common principles exist which  
5 would determine the application of regulatory  
6 powers of these boards. No common regulatory pro-  
7 visions exist. Under these circumstances it is only  
8 to be expected that no forward planning of the  
9 industry's future, no common studies of the industry's  
10 problems, are undertaken.

11 41. The protection of competitive elements in  
12 transportation is an extremely complex subject  
13 and it requires co-operation between the agencies  
14 dealing with different phases of transportation. An  
15 aggressive rate slashing policy -- or an aggressive  
16 agreed charge policy -- of the railways may affect  
17 the existence of trucking competition. Yet, instead  
18 of encouraging inter-agency and inter-industry  
19 representation in cases where a regulatory case  
20 before one board regulating one industry -- e.g.  
21 railways -- can affect other industries -- e.g. trucking  
22 -- the rights of such representation either do not exist  
23 or are strongly circumscribed and must be made at  
24 the highest political level: by appeal to the  
25 Governor in Council. Similarly, the regulations  
26 affecting the ownership of firms or services by  
27 corporations in other transport industries vary  
28 from one province to another, with no national policy  
29 or supervision. This gap, does not, however, exist  
30 in the regulation of air transport, presumably because





1  
2 this new means of transportation, by the very fact  
3 of its relative newness, was organized within a modern  
4 regulatory framework, i.e. according to the  
5 principles of industrial regulation developed for  
6 the second half of this century, and not a hang-over  
7 from a previous era. This may be an explanarion,  
8 but it strongly indicates a need for reform as  
9 far as the regulation of other means of transportation  
10 are concerned.

11 42. The failure of co-ordination and forward  
12 planning is perhaps most obvious in the case  
13 of so-called piggybacking, or joint rail-truck  
14 operation. In spite of the fact that the possibility  
15 of piggybacking had been considered for years,  
16 began in Canada under Plan 11 at the end of  
17 1952, and was expanded to Plan 1 in 1957, no  
18 regulatory changes have been made to deal with this  
19 development although it will have a most important  
20 bearing on both the railways and licensed long-  
21 distance truckers.

22 43. The file of operating regulations of  
23 highway transport does not present a much better  
24 picture. Vehicle regulation is within the jurisdiction  
25 of the provinces, and the role of the federal Govern-  
26 ment in this field most necessarily be secondary and  
27 indirect. Nevertheless, in view of the commitments  
28 of the federal Government to assist in the construction  
29 of the Trans-Canada Highway, an undertaking, which  
30 one must hope will be followed by further investments





1  
2 in the modernization of our interprovincial  
3 highway system, the federal Government may be expected  
4 in the future to take a more active interest in the  
5 establishment of common standards of vehicle  
6 regulations, a step which is bound to bring considerable  
7 economies to the operators, and benefits to the  
8 consumers. A subject directly under the Federal  
9 jurisdiction is the regulation relating to Sunday  
10 operations. Highway transport is at present the  
11 only transportation industry which is affected  
12 by Sunday restrictions, and this is another example --  
13 a minor one perhaps, but nevertheless important  
14 to the conomics of long-haul operations -- where  
15 highway transportation does not enjoy "parity of  
16 regulations".

17 44. In addition to the fundamental problems  
18 of the present system of regulations, the administra-  
19 tive difficulties must be mentioned. The unco-  
20 ordinated systems of regulation existing at present  
21 result in an administrative nightmare, and what is  
22 even more important, in heavy additional costs to  
23 the interprovincial operator. In the interests of  
24 efficiency alone, the present system must be  
25 overhauled.

26 45. This Commission received an exhaustive  
27 submission by the Canadian Trucking Associations Inc.  
28 containing a proposal for new legislation relating  
29 to the regulation of highway transport. In view  
30 of the importance of the subject of regulation to the





1  
2 healthy development of transport industries it is  
3 submitted that it should receive careful attention  
4 by the Commission, and the modernization of the  
5 present regulatory framework should be one  
6 of the Commission's recommendations.

7 I would like to say at this point that  
8 I do not agree with the submission that was made  
9 by the Canadian Truckers Association on this  
10 point in the formula. However, the trucking industry  
11 must be brought under control of the Federal  
12 Government, under control of a board appointed  
13 by the Federal Government and directly responsible to  
14 the Federal Government because I believe the type  
15 of board proposed by the Trucking Association would  
16 still tend to deal with matters with provincial  
17 prejudices instead of dealing with them on a  
18 national basis. I have no firm views on whether  
19 it should be brought under the Board of Transport  
20 Commissioners which could be enlarged and have  
21 people on it thoroughly familiar with all aspects of  
22 the trucking industry or whether a new board  
23 would be required. I am inclined to favour it being  
24 brought under the Board of Transport Commissioners.  
25 I would point out in the House of Commons last  
26 year I seconded a bill which was introduced by Mr.  
27 Chown which we brought forward towards the end  
28 of the session mainly for the purpose of bringing  
29 up debate on that particular subject. It was not  
30 reached for debate on that particular subject. I





1  
2 have a copy of the bill if the Commission should  
3 be interested.

4 Competitive Rates and Agreed Charges

5 46. The importance of competitive rates and  
6 agreed charges has been steadily increasing during  
7 the post-war era. In terms of volume, as measured  
8 by ton-miles, competitive rates and agreed charges  
9 accounted for slightly more than 10 per cent in  
10 1949 and to almost 27 per cent in 1958 (Board  
11 of Transport Commissioners Waybill Analysis). This  
12 indicates the increase in the intensity of competition  
13 and the fundamental change in the railway rate  
14 making. There is every reason to believe that these  
15 trends will continue. With better highways in all  
16 regions of the country and with the growth of new  
17 means of transport, such as pipelines and air,  
18 competition will increase rather than decrease. It is  
19 not unreasonable to expect that at some future  
20 date the competitive rates and agreed charges will  
21 account for more than half of the total traffic  
22 of the railways.

23 47. This fact alone must force a complete  
24 revaluation of the regulatory policy relating to  
25 railway rates. It was once possible to consider  
26 competitive rates and agreed charges as an exception  
27 to the general trend of rates, with only limited  
28 significance, when the traffic carried under  
29 these rates amounted to 10 per cent or so of the  
30 total. When the competitive-rated traffic approaches





1  
2 one-third of the total, and may even exceed one-  
3 half in the foreseeable future, it is obvious  
4 that these developments should be the main object  
5 of rate regulation, or at least a matter requiring  
6 most careful consideration.

7 48. Competitive rate reductions are, in general,  
8 of benefit to the public, and are the best proof of the  
9 efficiency of our competitive system. At the  
10 same time, there is an inherent danger in large-  
11 scale rate reductions made by corporations with  
12 vastly superior resources. The danger, of course,  
13 is the elimination of the competition which  
14 forced these rate reductions in the first place.

15 49. Therefore, it is no longer possible to  
16 consider railway rate reductions in isolation;  
17 i.e. it is no longer possible to consider railway  
18 competitive rates without taking into account  
19 the results of rate cutting on the competing industries,  
20 among others, the trucking industry. Thus it is  
21 essential to allow the representatives of the highway  
22 transport industry to take an active part in the  
23 rate proceedings affecting this industry, and to  
24 have the right to complain to the Board of Transport  
25 Commissioners against competitive rates which  
26 vitally affect the industry.

27 I might just interject, that was one of  
28 the things dealt with in one of the two bills that  
29 I introduced as an exhibit.

30 Strangely enough these rights are not





1  
2 recognized in the existing legislation, and  
3 consequently changes in the legislation are required.

4 50. The problem of agreed charges is similar.

5 In certain respects the competitive impact of the  
6 agreed charges is greater than that of competitive  
7 rates, since the agreed charges necessarily result in  
8 a withdrawal of most of the potential traffic from any  
9 carrier competitive with the railways. In some  
10 cases it may mean complete elimination of the  
11 competing carriers. As an example, there is a recent  
12 agreed charge signed by the railways with the  
13 breweries, relating to haulage of beer in Western  
14 Canada. As the result of the agreed charge two  
15 trucking firms, Breweries Transport Ltd., and Northern  
16 Brewery Transport Ltd. have been eliminated; these  
17 firms simply discharged their employees and put their  
18 equipment up for sale. Such an elimination of compe-  
19 tition is not in the long term public interest, and  
20 more effective means of control should be  
21 instituted. Two ways of dealing with the problem  
22 suggest themselves:

- 23 1. Simplification of the appeal procedure  
24 against the agreed charges by allowing  
25 any association or other body represen-  
26 tative of motor vehicle operators to appeal  
27 to the Minister of Transport in respect  
28 to agreed charges which threaten to  
29 eliminate large parts of the industry  
30 or segments thereof, the Minister being





empowered to refer the appeal to the Board of Transport Commissioners for investigation.

2. Legal limitation of the percentage of traffic affected by agreed charges.

51. At the same time the subject of agreed charges and competitive rates and their effect on different regions, classes of customers, and competing industries should be periodically reviewed so as to provide the Government and the Board with current guidance as to the impact of these rate policies on the transport industries and national economy, and thus assist in making changes in the regulatory policy as required.

Piggybacking

52. Movement of freight by trailers on flat cars and containers capable of being moved on highway and railway is one of the most dramatic manifestation of changes in transport technology. Unfortunately, the rate of technological progress has not been matched by progress in regulatory policies. The very fact that this type of movement affects two independently regulated transportation industries creates considerable problems. If the licensing of public carriers and rate stability are considered as important elements of transport regulation, effective steps must be taken to bring this development under control.

53. Possible solutions to the problem of piggyback regulations, in order to assure the





maximization and continuity of benefits to the public are:

1. Assuring the stability of piggyback rates and the continuity of service to duly licenced carriers availing themselves of this service. In other words, highway carriers who come to rely on piggybacking, with consequent changes in their organization, should be assured that the service will continue to be available to them at fair rates and without discrimination.
2. Piggyback service should either be restricted to licenced carriers, or licenced carriers should be given definite rate or service advantages. If this condition is not met -- and it is possible that it can be met only through legislative changes -- then uncontrolled and occasionally unreliable non-licenced operators or private carriers would be given privileges of inter-city carriers without assuming any responsibilities of a licenced operator.

#### Railway Entry Into Highway Transport

54. The problem of railway entry into highway transportation can be considered from either point of view:

1. Establishment of services supplementary





1  
2 to railway services, or

3 2. Diminishment of competition in transport.

4 55. Both aspects are important, and both should  
5 be considered. Advocacy of the policy of caution  
6 against the dangers of railway penetration into  
7 highway transport does not necessarily contradict  
8 the realization that under certain circumstances  
9 railway owned highway service might be beneficial.

10 56. Surely, the practical problem is the analysis  
11 of benefits and dangers of any particular situation.  
12 Benefits from railway entry into highway transpor-  
13 tation exist in two situations:

14  
15  
16  
17 -  
18  
19  
20  
21  
22 -  
23  
24  
25  
26  
27  
28 -  
29  
30





1  
2 1. Where, without a railway supported service  
3 no transportation service would exist;  
4 and

5 2. Where joint railway-highway operation  
6 brings benefits of more efficient  
7 operation.

8 57. The second condition exists only if  
9 joint ownership coincides with joint operation. Where  
10 joint ownership implies only subordination of a  
11 trucking company's policy to the railway management,  
12 then the case for railway entry on grounds of  
13 efficiency or "better service" does not exist. On  
14 the other hand, the dangers of a monopoly situation  
15 developing in transportation as the result of  
16 acquisition of trucking companies by the railways are  
17 very real.

18 58. The companies acquired by the railways  
19 are normally large companies, engaged in long distance  
20 traffic. These are the very companies which forced  
21 competitive rate reductions, or kept the general rate  
22 level lower than it would otherwise have been. In  
23 order to engage in this type of business these companies  
24 had to be large, they had to develop an extensive  
25 system of terminal and route facilities, a system  
26 which could not be duplicated in a short period of  
27 time.

28 59. In other words, the establishment of  
29 large scale interprovincial trucking which provides  
30 the main competition to the railways has changed the





1  
2 structure of this part of the industry. It has also  
3 changed the circumstances which make it possible for  
4 one of two large corporations to achieve and maintain  
5 a position of monopoly, or at least complete  
6 supremacy. Therefore, the acquisition of trucking  
7 companies by the railways brings a very real threat  
8 of re-establishment of monopoly in transport, a monopoly  
9 which had been broken by the development of the  
10 trucking industry.

11 60. The investment in trucking is more and  
12 more shifting into the hands of the railways and it  
13 is probable that, even without further acquisitions,  
14 their share of highway freight traffic will increase.  
15 It is most doubtful whether it would be possible, or  
16 acceptable, to force the railways to divest themselves  
17 from the businesses they have acquired, although even  
18 this possibility must be kept in mind: the history of  
19 anti-monopoly legislation in the United States provides  
20 examples of breaking up companies which have achieved  
21 a monopolistic position. But even if the policy of  
22 forced divesting of investment is recognized as  
23 impracticable at present, surely there are all the  
24 reasons the Commission should consider whether, at  
25 the very least, it should recommend very careful  
26 control over future acquisitions of competitive  
27 trucking companies by the railways. Granted that,  
28 on some occasions, the resulting economies may outweigh  
29 the possible dangers, a complete prohibition of further  
30 acquisitions of trucking companies by the railways might





1  
2 not be in the public interest, there is, nevertheless,  
3 a good case for making legal provisions, similar to  
4 those existing in the Aeronautics Act, which would  
5 require special permission by the Governor in Council, or  
6 by a regulatory body, for any acquisition of trucking  
7 companies by the railways.

8 61. This proposal is nothing more than a  
9 logical conclusion from basic principles, which, in my  
10 opinion should be the foundation of our transportation  
11 policy, namely, the principle of fostering competition,  
12 and the principle of consistency of transport  
13 regulations relating to the different forms of  
14 transportation. If we need competition in transportation  
15 we must protect it by imposing control over possible  
16 monopolies; if we protect competition in air transport  
17 by having inserted into the Act (Aeronautics Act,  
18 chapter 2, the Revised Statutes of Canada 1952, Section  
19 15, Subsection 2) a provision controlling the entry of  
20 other transport interests into this industry, surely as  
21 strong a case exists for protecting the highway industry  
22 against monopolistic encroachments. In fact, the case  
23 here is much more urgent because of a more pronounced  
24 competitive situation and the evidence of recent years  
25 of the railways' attempt to dominate the highway transport  
26 field by acquisition of large companies.

27 Conclusions.

28 62. This submission has been focussed on the  
29 main principles which, in my respectful submission, should  
30 be the foundation of our national transportation policy.





1  
2 The practical implications of these principles have  
3 been discussed from the point of view of establishing  
4 a sound framework which would enable all transport  
5 industries to develop according to their capabilities.

6 63. The basic principle, from which all the  
7 recommendations follow, is the belief that the best,  
8 more impartial, and most efficient regulator in  
9 transportation, like in any other form of economic  
10 activity, is competition. From this point of view that  
11 major problems of transportation have been reviewed.

12 64. On the subject of transportation  
13 subsidies I have stressed the danger of harming the  
14 competitive, or potentially competitive, industries  
15 by one-sided subsidies. I have also made a careful  
16 distinction between programs of assistance which create  
17 new industries of services, and which are of a long  
18 term assistance to the economy, and subsidies which,  
19 at the very best, provide only temporary relief.

20 65. Transport industries are regulated.  
21 The problem of consistency of regulations with the  
22 preservation of competition is basic to the development  
23 of our transportation system. The practical problems  
24 are the adjustment of regulations to the changing  
25 conditions. In this respect our federal regulatory  
26 framework is sadly outmoded and must be revised. It  
27 must be revised to take care of the expansion of long-  
28 haul truck services, interprovincial and international  
29 in scope, which we still insist on regulating as if  
30 they were local services. The regulatory framework





1  
2 must also be revised to take care of new developments  
3 such as piggybacking, container services, and  
4 acquisitions of firms in one transportation industry  
5 by competing transport media.

6 66. The complex relations between the  
7 different transport industries must be carefully  
8 taken into account in framing our transport policies:  
9 the effects of rate policies of one transport agency  
10 might be crucial on the development of another. The  
11 possibility of competitive destruction through the  
12 practice of extensive rate cutting, or exclusive  
13 contracts (agreed charges) must be guarded against.

14 67. In this submission I have stated more  
15 problems than suggested solutions. The solutions to  
16 these problems are not easy; they require very intensive  
17 and continuous studies. I trust, however, that the  
18 ideas and studies initiated by this Commission will  
19 indicate the approaches to a successful solution of  
20 our transportation problems and express appreciation  
21 for the Commission's consideration of my views.

22  
23 --- A short recess ---  
24

25 MR. FOURNIER: Mr. Chairman, while I was in  
26 Quebec during the weekend I had a look at some of the  
27 local newspapers and read the reports as to this  
28 extension of time, and it seemed to me that in the  
29 reports it was not too clear, through, very clearly,  
30 no fault of the newspaper reporter here.





1  
2 Therefore, I should like to stress that the  
3 province of Quebec will file its submission in  
4 accordance with the ruling at page 19852 of volume 120,  
5 so that it may be heard at the time that has been set,  
6 on or around the 4th January, 1961.

7 THE CHAIRMAN: Yes, that error which you showed  
8 me was not due to Mr. Rice.

9 MR. FOURNIER: Definitely not, sir.

10 THE CHAIRMAN: The paper itself made a mistake.  
11 There is no misunderstanding between you and us.

12 MR. FOURNIER: No, none at all. I was asked  
13 many questions as to whether or not we would file a  
14 submission or whether or not the extension had been  
15 granted. Therefore, I should like very much to have  
16 the press here make sure that it is properly reported.

17 THE CHAIRMAN: I am sure they will.

18 MR. COOPER: Mr. Chairman, the difficulty has  
19 arisen because the paper picked up the ruling given in  
20 the morning, and not the further ruling given in the  
21 afternoon after reconsideration.

22 THE CHAIRMAN: Yes, Mr. Cooper?  
23

24 CROSS-EXAMINATION BY MR. COOPER:  
25

26 Q. Mr. Browne, I am sure that you will find  
27 the Commission in entire agreement with at least one  
28 sentence in your brief, and I refer to your first  
29 sentence which reads:

30 "The problems of Canadian transportation are





1  
2 important, complex and controversial."

3 A. I hope they are in agreement with more  
4 than that.

5 Q. On page 1 in paragraph 2 of your  
6 submission you set forth the fundamental principles on  
7 which your submission is based, and the first of these  
8 is "belief in the efficiency of the competitive free  
9 enterprise system." This theme recurs throughout your  
10 brief at various points, and in your conclusions at  
11 page 16 you come back again to that theme by stating  
12 that the basic principles from which all the  
13 recommendations follow is the belief that the best,  
14 most impartial, and most efficient regulator in  
15 transportation, like in any form of economic activity,  
16 is competition. Does it not follow from this first of  
17 your fundamental principles that all media of  
18 transportation should be free from any rate regulation?

19 A. No sir, I do not believe that would  
20 follow.

21 Q. What restrictions, then, would you place  
22 on the transportation industries by way of rate  
23 regulation which would not conflict with the free play  
24 of competitive forces?

25 A. Well, I think I have already suggested  
26 in the brief that where competition would be in danger  
27 of being eliminating by one side with its vastly  
28 superior financial resources being able to cut rates --  
29 that is one instance where a regulation would be  
30 required.





1  
2 Q. Would it be proper to say, Mr. Browne,  
3 or to advance the proposition that if one agency of  
4 transportation is to be eliminated because another  
5 agency of transportation can offer cheaper rates, then  
6 the first agency should be allowed to fall by the  
7 wayside?

8 A. Are you referring to any specific  
9 agencies here?

10 Q. Well, let us relate it to trucks and  
11 railways and let us say that if in any particular area  
12 the railways are the low cost carrier, why should there  
13 be any rate regulation to preserve in that area  
14 competition from any other agency of transportation such  
15 as the trucks? Or, put it the other way round, if you  
16 wish.

17 A. Because I believe there are other benefits  
18 to the service than strictly rates. We have the benefits  
19 of the variety of services and other ranges of service  
20 offered by having more than one industry or one means of  
21 transportation.

22 Q. Suppose we take into consideration even  
23 those other advantages, and having done so we find that  
24 one medium of transportation is the low cost carrier,  
25 then why should not that low cost carrier be allowed  
26 to carry the traffic and the other carrier fall by the  
27 wayside?

28 A. Well, I believe that is what, generally  
29 speaking, would happen unless -- the objection I have  
30 to someone being forced out by unfair competition; as





1  
2 long as there is fair competition and one industry is  
3 able to perform the service better than the other, then  
4 of course they should be allowed to.

5 Q. So long as there is fair competition,  
6 then competition should be allowed full play?

7 A. Yes.

8 Q. Fair competition should be allowed full  
9 play?

10 A. Yes. I believe where someone is forced  
11 out of business because one party has all the transport  
12 tied up under a contract, as in an agreed charge, or  
13 where someone is forced out of business because they  
14 are operating at an unrealistically low rate, then  
15 regulation is required; but if that is not the case,  
16 and they are operating on a fair competitive basis,  
17 and one industry can do better than the other, I think  
18 it is only natural they will get the business, anyway.

19 Q. Would you put the test as to whether or  
20 not there is an unfair rate as being whether or not  
21 the rate is compensatory? If it is compensatory would  
22 you regard it as a fair rate regardless of the effect  
23 it may have on competition?

24 A. I find this question of a compensatory  
25 rate is something very difficult to define and determine  
26 exactly what a compensatory rate is. During the  
27 parliamentary committees I have been on the railways  
28 have been asked that specific question, and until I  
29 can tell what is meant exactly by a compensatory rate,  
30 I would hesitate to make any comment on it. If you would





1  
2 care to define it for me ....?

3 Q. Let us say it is one which returns the  
4 variable cost of moving the traffic plus making some  
5 contribution to overhead?

6 A. I think the only basis on which I could  
7 accept is that it must return all costs, because in the  
8 long run I do not think -- my own experience in  
9 transportation has been that I could convince myself  
10 I have certain licences and certain insurance that is  
11 going on whether I move that freight or not, and it may  
12 be true I could take a particular instance and say that  
13 if I move these goods from here to there it will cost  
14 so much, but in the long run I do not think that policy  
15 is a sound one, and in the long run I think a policy  
16 of returning all costs plus some measure of profit is  
17 what is required. That is what I would accept.

18 Q. Are you suggesting every rate must  
19 return its full costs?

20 A. Yes.

21 Q. On page 3, paragraph 12, you state:

22 "The changes which have taken place within  
23 the trucking industry have made traditional  
24 approaches to the problems of transportation  
25 obsolete."

26 What are these traditional approaches which  
27 are now obsolete?

28 A. That statement was really based on a  
29 statement made by the Turgeon Royal Commission in which  
30 he stated -- and I am now paraphrasing and not making





1  
2 an accurate statement -- or a word by word statement --  
3 his impression was that there was little danger of a  
4 monopoly developing in transportation because of the  
5 ease of exit and entry into the trucking business. I  
6 believe that is no longer true because of the greater  
7 capital investment required in trucking, particularly  
8 on the long haul ones that I am referring to here. It  
9 is only over a long period of time, with large capital  
10 investment, building up your terminal facilities, and  
11 teletype and so on, required to carry on on a  
12 transcontinental basis, and therefore it is no longer  
13 easy to get in and out of the trucking industry on  
14 that basis, and that is why I make that statement.

15 Q. You have referred to the long haul  
16 trucking industry in various parts of your submission:  
17 what do you consider the proper definition of "long  
18 haul" in the context in which you have used the words?

19 A. Well, generally speaking, I refer to it  
20 as inter-provincial or extra-provincial.

21 Q. So you would divide trucking, then,  
22 into intra-provincial and inter-provincial. The inter-  
23 provincial trucking you would designate generally as  
24 long haul traffic?

25 A. Yes, generally, although I would not  
26 say there are not cases within a province that could  
27 not be considered -- if you ran the entire length of  
28 a province, north to south or east to west -- but in  
29 my mind I use that as a general guide.

30 Q. All I am trying to establish is what





1  
2 you mean when you use these certain expressions in  
3 the brief so that the Commission will have a better  
4 understanding of your brief, and that is why I am  
5 asking this question about the word "long haul".

6 COMMISSIONER ANSCOMB: May I interrrupt, Mr.  
7 Cooper? Just to clear that point, would you think from  
8 Vancouver to Fort St. James is a long haul?

9 THE WITNESS: No, I would not consider that.  
10 It would be getting border-line. I would say 400 miles  
11 and more would be becoming long haul.

12 MR. COOPER: Q. I was going to ask you to  
13 put mileage figures on it, and you have done in the  
14 answer to Mr. Commissioner Anscomb. Can we take it,  
15 generally, when you are speaking of long haul traffic  
16 that you are speaking of hauls over 400 miles?

17 A. Yes.

18 Q. On page 3 also, Mr. Browne, in paragraph  
19 15, "The first aim of the National Transport policy  
20 should be preservation of the principle of freedom of  
21 choice as to the means of transport, as long as it is  
22 technically or economically possible", and you go on  
23 to speak of the possibilities of the establishment of  
24 a transportation monopoly as being something that  
25 should be watched carefully and, if necessary,  
26 counteracted. You also refer in that paragraph, in  
27 the last sentence, to the application of this principle  
28 -- that is, the principle of which you have been  
29 speaking in the paragraph -- as requiring national  
30 control over the acquisition of transportation firms





1  
2 by firms established in other transportation industries,  
3 and also the right of one transportation industry to  
4 intervene in cases where the rates established by its  
5 competitor may lead to elimination or weakening of the  
6 competition. Perhaps we are coming back to what we  
7 were discussing in my opening questions, but have you  
8 reference there in the last sentence which I have read  
9 to agreed charges and the elimination of competition or  
10 weakening of the competition by the entry by the  
11 railways into agreed charge contracts?

12 A. Yes, that would be -- your competitive  
13 rates; agreed charges or competitive rates. I am  
14 inferring there that the industry should have the right  
15 to appear before the regulatory board -- a right which  
16 they do not have at the present time.

17 Q. There is nothing which prevents, is there,  
18 Mr. Browne, the trucking industry from entering into  
19 agreed charges?

20 A. Not so far as I am aware.

21 Q. Do you know, if, in fact, truckers do  
22 enter into agreed charges?

23 A. I have never heard of any.

24  
25  
26  
27  
28 -  
29  
30 -





1  
2 Q. On Page 4, in Paragraph 16, Mr. Browne,  
3 you refer to the second important aim of transporta-  
4 tion policy as being the encouragement of progress  
5 and you said,

6 "In practice, it must mean that no protection  
7 ion should be given to the established  
8 transport medium, either through a one-sided  
9 subsidy, or through preferential  
10 legislation."

11 When you use those words "established trans-  
12 port medium" are you really referring to the  
13 railways?

14 A. Well, it would be very applicable to  
15 them.. I would not say it is the only one. My  
16 basis is that everybody should receive the same  
17 treatment.

18 Q. Whether railways or trucking industry?

19 A. That is right. In other words, it  
20 happens at this particular time, perhaps, that the  
21 railways are established, and trucks are coming  
22 on; trucks may be established and pipelines coming  
23 on. I am simply saying that everybody should be  
24 dealt with on the same basis.

25 Q. You would regard the trucking industry  
26 as being a well-established transport medium?

27 A. Yes . Except insofar as regulation  
28 is concerned. I think that they are not established  
29 in that way. There is no Federal legislation  
30 so far as the Federal Parliament is concerned that





1  
2 really deals with trucking in any way. It is in no  
3 way shape or form really recongized under Federal  
4 legislation; the only thing being the Motor  
5 Vehicle Transport Act, which was in effect a dele-  
6 gation of the thing back to the Provinces.

7 Q. But in a business sense or in the sense  
8 of an industry carrying on a business, the  
9 trucking industry is at the present well established?

10 A. Yes.

11 Q. Also on Page 4 in Paragraph 19 you  
12 outline certain conditions which must be met if  
13 national transportation principles are to be applied  
14 to the field of highway transport, and the  
15 third of those conditions is, and I quote:

16 "3. The legislative framework within which  
17 the trucking industry operates must be  
18 adjusted to the present needs of the  
19 industry; "

20 Have you reference again there, as I presume you  
21 have, to the necessity of Federal legislation and  
22 control over the trucking industry?

23 A. Yes, I do.

24 Q. When you speak of Federal control  
25 over the trucking industry you must be speaking,  
26 of course, only of inter-Provincial trucking  
27 operations?

28 A. No. My understanding is that Federal  
29 control would apply to the intra-Provincial  
30 operations of an intra-provincial carrier, and that





1  
2 stems from the decision made from the Privy Council  
3 from the Winter case.

4 Q. But it would not apply to the intra-  
5 provincial trucker solely?

6 A. No. It would refer to the intra-  
7 provincial trucker even though it was being done  
8 by the intra-provincial carrier, but not to a  
9 carrier who was strictly intra-provincial and  
10 never at any time ran outside of the provinces.

11 Q. And you are not suggesting that whatever  
12 constitutional changes might be necessary be made  
13 to place that class of trucking operation within  
14 Federal control?

15 A. No.

16 Q. Now, the second of the conditions  
17 on Page 4, Paragraph 19, is that the impact of  
18 the rate policies of the established forms of  
19 transportation on highway transport must be taken  
20 into account. I would like you to enlarge on that,  
21 if you would, Mr. Browne, and just indicate in a little  
22 more detail just what you have in mind there.

23 A. Well, my feeling has been that -- in  
24 fact, to give you an example of what I was thinking  
25 of here: We had in British Columbia an instances  
26 where trucks and rail were both hauling at the same  
27 rate. I believe it was through Okinagan to the City  
28 of VAnccouver. The railways applied for a 17 per cent  
29 rate increase, which was granted by the Board of  
30 Transport Commissioners and which they instituted.





1  
2 In this particular case, the trucking industry also  
3 asked for a 17 per cent increase, but they were  
4 only granted by the Public Utilities Board, and  
5 which the Provincial Board would only give them  
6  $7\frac{1}{2}$  per cent, or half of what the railroads got,  
7 approximately, and the both put their new rates into  
8 effect. Then, the railway turned around and  
9 reduced their rate down to a very low level,  
10 far below what it had been before they asked for the  
11 17 per cent increase. The trucking industry  
12 followed suit and they had to reduce their rate.  
13 No balance of traffic changed hands; they both  
14 kept approximately the same amount of traffic they  
15 had and I think that a Board should be in a position  
16 to consider that type of thing happening, from  
17 looking at both of them; not two separate Boards.  
18 These rate policies must be looked at in an over-all  
19 picture, not having two separate boards looking at  
20 the rate policy of each.

21 Q. You are suggesting that one Board --  
22 you say, the Board of Transport Commissioners  
23 should be charged with the control both over railway  
24 rates and inter-provincial truck rates?

25 A. That is right.

26 Q. And that whenever the railways go  
27 before the Board of Transport Commissioners for  
28 an increase in rates their application should not  
29 be considered unless representations are also heard  
30 at the same time from the trucking industry. Would





1  
2 you go that far?

3 A. I would say that both industries should  
4 have the right to appear whenever the other is  
5 making an application.

6 COMMISSIONER ANSCOMB: Mr. Cooper, I am  
7 sorry to interrupt you again. But the point you  
8 have just stated deals distinctly within a  
9 province -- Okinagan to Vancouver -- not out.

10 THE WITNESS: Yes, that is right.

11 COMMISSIONER ANSCOMB: You are not suggesting  
12 a Federal Board is going to interfere with rates  
13 within a province?

14 THE WITNESS: No. What I say is that  
15 the trucking industry should be able to appear  
16 before the Federal Board when those kind of  
17 cases arise.

18 COMMISSIONER ANSCOMB: Even cases that  
19 happen within the confines of a province?

20 THE WITNESS: I believe so.

21 COMMISSIONER ANSCOMB: That was hardly what  
22 you said before.

23 THE WITNESS: I'm sorry; that was what  
24 I intended to convey.

25 COMMISSIONER ANSCOMB: Thank you, Mr. Browne.

26 MR. COOPER: Q. What you said before, I think,  
27 was that you were not advocating rate control  
28 by a Federal body in the case of an intra-provincial  
29 trucking company operating only within the confines  
30 of the province?





1  
2 A. No, but I believe that the trucking  
3 industry as a whole should be still able to,  
4 by right, appear at the hearings before the Federal  
5 Board.

6 Q. What you were saying before was that  
7 there be no rate control over that segment of the  
8 trucking industry by a federal body, but that  
9 the intra-provincial operator, either singly or through  
10 an association should have the right to appear  
11 before the Federal Board when anything affecting  
12 his rates is in question?

13 A. Well, in the first instances I have  
14 always referred to an association. I do not believe  
15 an individual carrier should have the right to  
16 appear. Secondly, it is not so much the right of  
17 a trucking industry but in many instances when  
18 the railways apply for a rate reduction in particular  
19 it is because of competition. And it seems to me that  
20 if they are saying "Truck traffic is moving at  
21 such and such a rate; therefore, we must have a lower  
22 rate", that it would only be natural and to the  
23 assistance of the Board that the trucking industry  
24 would be able to be there and present the kind of  
25 information that the Board would require in order to  
26 make a decision.

27 Q. You are suggesting now that the test  
28 in Section 334 of The Railways Act, that a  
29 competitive rate must be compensatory or the  
30 railways must be in a position to prove that if called





1  
2 upon to prove it, would be better applied or  
3 more intelligently applied if the Association of  
4 Trucking Industries or associations had the  
5 right to appear always before the board when these  
6 matters are in issue?

7 A. Yes. I might say at this point, too,  
8 that I think that that clause is not in The Transport  
9 Act, so far as I know; with that requirement, so  
10 far as I know, is not in The Transport Act where the  
11 agreed charges are covered.

12 Q. Do you consider that it should be in  
13 The Transport Act?

14 A. Yes. My feeling is that it should be  
15 on the same basis. As I have stated earlier, I  
16 believe that all rates must be on that basis.

17 Q. In other words, that there should be  
18 a provision in The Transport Act that the railways  
19 must justify, if called upon to do so, their  
20 agreed charges in the sense of being able to  
21 establish that they are compensatory?

22 A. Yes.

23 Q. Also, on Page 4, Paragraph 19, the  
24 fourth condition in that paragraph states:

25 "4. Any attempts to establish a monopoly  
26 in the competitive sector of the industry  
27 must be prevented."

28 I am not quite clear as to what you mean by the  
29 "competitive sector of the industry".

30 A. Well, there are some instances where





1  
2 there is absolutely no competition whatsoever,  
3 and I was really referring, there, to the  
4 acquisition of truck lines by the railways in  
5 instances where there is direct competition at the  
6 present time.

7 Q. Then, there is an area where the rail-  
8 ways in fact are the only carriers?

9 A. Yes. However, I have dealt with that  
10 in another section of the brief, and I would  
11 not want to give the impression I am saying there  
12 are areas that are not competitive and will not be  
13 competitive. I believe all freight is potentially  
14 competitive at the present time.

15 Q. That is exactly what I wanted to clarify  
16 for the benefit of myself, if not for all concerned.  
17 Do you consider today that trucks are competitive  
18 in all areas and over all traffic with the railways?

19 A. No, I do not believe that that situation  
20 could be said to exist at the present time. It  
21 is rapidly approaching, and all I am saying is we  
22 must not take any step or we should not take any  
23 step that will prevent that situation from coming  
24 about, because if there is no action taken by  
25 subsidies to one particular form of transport,  
26 I believe that situation will soon be overcome.

27 Q. So that you expect that the trucks will  
28 in the near future become competitive with the rail-  
29 ways over the entire range of commodities which are  
30 shipped and over all distances?





1  
2 A. Yes.

3 Q. Now, I said there "in the near future".

4 How long do you think it would be before that  
5 condition came about?

6 A. Well, I would just like to give  
7 you a reference here from the Royal Commission on  
8 the Great Slave RAilway. There were two or  
9 three interesting statements made by the  
10 Commissioners with regard to grain hauling, for  
11 instance, which I think is one of the things that  
12 one could expect is not likely to become too  
13 competitive. From Page 15 of the Report of that  
14 Commission, the Royal Commission on the Great  
15 Slave Lake Railway -- ~~that~~ is in the statement of the  
16 Chairman, Mr. Justices Manning, and he has this  
17 to say:

18 "We have been advised on reliable authority  
19 that truck traffic has improved to the point where  
20 it even competes with railways in some places in  
21 carrying grain. A group of railways running into  
22 St. Paul, U.S.A., have recently applied for  
23 permission to reduce freight rates on grain to  
24 compete with trucks. In British Columbia trucks  
25 are now carrying substantial quantities of  
26 grain from the area around Creston for distances of  
27 250 to 300 miles in direct competition with railways."  
28 I think that gives some indication of the progress  
29 that is being made in that field and what can be  
30 expected in the future.





1  
2 Q. That grain in British Columbia is  
3 being carried at domestic rates, and not at Crow  
4 rates?

5 A. That is right.

6 Q. If Crow rates were double, do you think  
7 that trucks could compete in the carriage of grain  
8 for export?

9 A. I would not think so.

10 Q. Now, Page 6, Paragraph 24. You state:  
11 "It would be most valuable if the Commission  
12 found it possible to include a co-ordinated  
13 planning of national transport investments  
14 -- investments by the Federal Government --  
15 among its recommendations. Such co-  
16 ordination of investment policies in transport  
17 would have to take into account the interests  
18 and potential contribution of all means of  
19 transportation."

20 Now, it would be quite a large order for  
21 any Commission to lay down a plan for investment by  
22 the Federal Government in all fields of transporta-  
23 tion, but is that what you had in mind?

24 A. Yes. I was not thinking of any particular  
25 one board doing that. My suggestion there is  
26 that I do not feel the Government should invest  
27 in the Trans-Canada Highway, for instance, without  
28 having advice from the Board of Transport Commissioners  
29 and perhaps an interdepartmental committee of  
30 Government who would be able to advise them on the





1  
2 requirement of the other fields, and they should  
3 all be considered at one time rather than deciding  
4 today we need this, or we need that. We should  
5 be deciding a programme of what is the most urgently  
6 needed and a long term programme of how that is to be  
7 carried out.

8 Q. What you are suggesting here is that this  
9 Commission might well consider making a recommenda-  
10 tion that before the Federal Government makes what  
11 you term "national transport investments" studies  
12 should be made as to the impact of such an investment  
13 on all forms of transport and like matters?

14 A. Right.

15 Q. In effect, that would mean either one  
16 Board or perhaps more than one board set up to  
17 study the whole transportation picture from the  
18 aspect of capital investment in transportation in  
19 Canada?

20 A. That is right.

21 Q. On Page 7, you deal with the problem  
22 of subsidies and your submissions with respect  
23 to subsidies continue on page 8, and I only want  
24 to ask you one or two questions with respect to  
25 the question of subsidies.

26 As I understand what you have here on that  
27 subject, you envisage subsidies as being for the  
28 relief of shippers so that amounts paid to trans-  
29 portation agencies are passed on to shippers in  
30 the form of lower rates to those shippers?





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

A. That is right.

Q. What are your views with respect to the payment of subsidies to railways to compensate the railways for continuing in operation unremunerative services which they must continue in operation because it is in the public interest that such services be continued, in spite of the fact that they are unremunerative?

A. Well, I believe I have dealt with that in the Brief, to the extent that it must be made absolutely plain what the subsidy is for. It is for us for the purpose of doing that. It must be made absolutely plain that it is for that and not for the benefit of the railway and I have outlined the ways in which I feel the subsidy should be paid if it is used for that purpose.





1  
2 Q. I am just trying to separate the two;  
3 a subsidy paid direct to the railway to compensate it  
4 for having to carry on an unremunerative service, that  
5 is one, and that is a subsidy presumably paid because  
6 it has been determined that it is in the public interest  
7 to continue an unremunerative service.

8 A. In other words, you are referring to  
9 perhaps one particular geographical area which would  
10 not have a railway service in that area and no other  
11 form of transportation is available, I take it.

12 Q. Yes, that would be one example.

13 A. I believe, as I say, if in that area  
14 the rates had to be put up there must be some point at  
15 which the rates will compensate the railway for  
16 running the line.

17 Q. I am divorcing this part of my question  
18 from rates altogether. Let us take a railway which is  
19 abandoning a branch line and let us say it is  
20 determined in the public interest that that branch line  
21 must be maintained in spite of the fact that the  
22 railway is losing money on its operation. Should the  
23 railway, under such circumstances, be given a subsidy  
24 to compensate it for having to carry on that service.  
25 That is apart from any question of rates or anything  
26 else over that line.

27 A. Well, the subsidy should be paid to the  
28 railroads on behalf of the people of that area but not  
29 to the railroads for their own purposes for carrying  
30 on the line. If they want to discontinue that line and





1  
2 there are other forms of transportation then I think  
3 perhaps it should be discontinued if you wish to  
4 substitute a truck service. But, I do not think it should  
5 be paid as a subsidy to the railroad on their behalf;  
6 it should be paid on behalf of the people in that area  
7 who will stand to benefit. It must be made quite clear  
8 why this subsidy is being paid.

9 Q. And you are suggesting that the amount of  
10 the subsidy must be passed on to the people of that  
11 area in the form of rates reduced and so on.

12 A. Not necessarily. That will be a question  
13 of policy. I am saying it must be made quite plain to  
14 the people of this country why that subsidy is being  
15 paid.

16 Q. Let us suppose it is quite plain that this  
17 particular subsidy is being paid to a railway because it  
18 has had to keep a branch line in operation at a loss on  
19 the ground that public interest demands maintenance of  
20 that branch line. Then, you would have no objection to  
21 the payment of the subsidy to the railway under those  
22 circumstances.

23 A. Providing there was not some alternative  
24 means of transportation.

25 Q. Regardless of whether it was in the  
26 public interest or declared to be in the public interest  
27 to carry that branch line, the railways could not look  
28 for any subsidy.

29 A. I do not believe under any circumstances  
30 that one-sided subsidies should be paid for a subsidy that





1  
2 is going to be paid and there is more than one form of  
3 transportation. It must be paid to all forms of  
4 transportation equally.

5 Q. I suggest what you say would apply  
6 equally to an example of attempted discontinuance by  
7 the railway of passenger services and an unsuccessful  
8 attempt by the railways to discontinue passenger  
9 services.

10 A. Well, I do not believe that there should  
11 be unsuccessful attempts. If the service is not required  
12 and it is not remunerative then it should not be carried  
13 on.

14 Q. Well then, you cannot visualize the  
15 situation where public interest would require the carrying  
16 on of unremunerative services or branch lines by the  
17 railways?

18 A. Not as long as there is some other type  
19 of transportation available.

20 Q. On this problem of subsidies, again you  
21 mention on page 8 the method of payment of subsidies  
22 and you give two methods:

23 "The first method is obviously applicable in  
24 the case of the Maritime shippers, the second  
25 in the case of grain movements, if it is  
26 decided that Maritime Freight Rate assistance  
27 is to be continued, in accord with the  
28 conditions of Confederation, and if a subsidy  
29 on export grain movement is recommended".

30 Assuming that a subsidy was to be paid, to whom





1  
2 would it be paid or should it be paid, in your opinion;  
3 to the Canadian Wheat Board?

4 A. Yes, my understanding is they are the  
5 shipper and they could distribute that along with  
6 money they receive and a payment should be made  
7 available to all people to be shared by the Wheat  
8 Board.

9 Q. So, it is your view that any subsidy  
10 paid for the movement of grain to export positions  
11 should be paid to the Canadian Wheat Board?

12 A. Yes.

13 Q. And the result of that would be, and  
14 you will correct me if I am wrong, that the Wheat  
15 Board would then be in a position where it would have a  
16 choice of shipper.

17 A. Yes, that is my intention. They would  
18 have a choice of means of shipping and they could  
19 ship by whatever form of transportation might be  
20 available to them.

21 Q. You do not think, even if the present  
22 rates were developed, that the trucks could enter it  
23 at all.

24 A. I am not in a position to say what rate  
25 the trucks would require for that at all.

26 Q. In paragraph 34 on page 8 you say:

27 "If the disadvantages of the areas of  
28 Canada which are located far from their  
29 markets or supply sources are to be  
30 diminished, the way to do it is through an





1  
2 aggressive and planned program of cost  
3 cutting investments, since by this method  
4 the source of the problem -- high cost of  
5 production or distribution -- is attacked  
6 and not its manifestation. In this way the  
7 basic problems are solved rather than their  
8 symptoms being buried under a growing burden  
9 on the taxpayer's pocket."

10 Could you indicate just what you mean there,  
11 Mr. Browne, by way of example or otherwise? Are you  
12 suggesting that there should be no subsidies to  
13 compensate for disadvantages in areas of Canada far  
14 from markets but there should be some system of  
15 capital investment for industries there.

16 A. Partially that.

17 Q. To make it more efficient?

18 A. Also I would like to say that one type  
19 of subsidy that I have in mind here is the bridge  
20 subsidy which brings the geographic areas of Canada  
21 closer together. I have had many representations since  
22 being a member of parliament that while this was  
23 presumably all right, it also hinders other people.  
24 I have had many representations from the fruit  
25 industry in the Okanagan Valley of British Columbia  
26 who found markets for their fruit in the prairies and  
27 now have been, because of the fact of the bridge  
28 subsidy bringing goods to the prairie markets from  
29 eastern Canada, they are finding it difficult to  
30 compete. A subsidy of that type sometimes has an





1  
2 effect on other markets and I think we have to be  
3 careful in that kind of thing that we may be able to  
4 help the people in these geographic areas, perhaps  
5 by providing capital for investment there.

6 Q. What I was trying to get at, perhaps  
7 some specific suggestions, if you are in the position  
8 to give specific suggestions, with reference to  
9 paragraph 34. There you merely state:

10 "... the way to do it is through an  
11 aggressive and planned program of cost  
12 cutting investments ..."

13 Just what would you mean by that in specific  
14 terms? I mean, for instance, the goods might well be  
15 able to be manufactured in those areas that are being  
16 transported in there and perhaps capital investment,  
17 capital being made for development of that area to  
18 help them to manufacture their own goods instead of  
19 having to bring them in or produce raw materials of  
20 one sort or another, where will the capital come from?

21 A. Perhaps from the Industrial Development  
22 Bank.

23 Q. If it could not be made available from  
24 the Industrial Development Bank would you be in favour  
25 of payments from the federal government to carry on  
26 such a program?

27 A. I see no real difference between a  
28 government guaranteed loan through a chartered bank  
29 and the Industrial Development Bank. I do not think  
30 the government would like to directly lend the money





1  
2 there.

3 Q. You would have to satisfy the requirements  
4 of the Industrial Development Bank.

5 A. That is right.

6 Q. On page 9, paragraph 36, under the  
7 heading of "regulation", you say:

8 "The reason for economic regulation in  
9 transportation is the protection of the long  
10 term interest of the customer."

11 Now, "economic regulation" just what area are  
12 you taking in by that expression? I presume it goes  
13 beyond mere rate regulation, does it?

14 A. Yes, it takes in all types of regulation  
15 as we have them today. I consider the whole to be ----

16 Q. On page 9 also generally under the heading  
17 of regulation you deal -- I cannot find the reference  
18 to it at the moment but I believe you do deal with the  
19 question of monopoly. As I understand it your position  
20 is that competitive forces should be allowed if they  
21 are building up to a point where competition is  
22 threatened to be destroyed by monopoly.

23 MR. DRYSDALE: That is paragraph 37.

24 MR. COOPER: Q. Paragraph 37, subsection 2.  
25 You mention in paragraph 37 the general principle to  
26 which you previously referred and certain practical  
27 tests and you say:

28 "Does it strengthen the healthy competitive  
29 elements, i.e., does it encourage the growth  
30 of strong enterprises and protect the public





1  
2 against the possibilities of the creation  
3 of unwanted monopolies?"

4 Your position on this question of monopoly  
5 is that there should be some authority to prevent  
6 a situation developing where monopoly can be imposed  
7 on shippers in the transportation industry?

8 A. Yes, there are some areas where perhaps  
9 at least temporarily it may not be avoided. What I  
10 am referring to is a question of direct lines of the  
11 railways which would create a monopoly by the railway  
12 having both means of transportation forcing people out  
13 by low rates and that sort of thing where they are not  
14 justified and where the rates would go up again when  
15 the monopoly had been created.

16 Q. But on that point you are not suggesting  
17 that the railways will be required to divest themselves  
18 of trucking companies which they have acquired?

19 A. I think that is something that the  
20 Transportation Commission should give some thought  
21 to. I am not in a position to know the exact  
22 percentage of the trucking industry that is owned or  
23 controlled by the railroads but in reading through the  
24 Commission hearings and looking at the subsidiary  
25 holdings of the Canadian Pacific and from having  
26 served on the parliamentary committee dealing with  
27 government-owned railways and so on, I know the  
28 Canadian National Railways is now obtaining substantial  
29 holdings. I believe that is something the Commission  
30 should look into very thoroughly.





1  
2 Q. You are merely pointing it out as an  
3 area of enquiry both as to ownership at the present  
4 time of trucking companies by the railways and as to  
5 possible further acquisitions in the future?

6 A. Right.

7 Q. On page 12, paragraph 48, you say:

8 "Competitive rate reductions are, in general,  
9 of benefit to the public, and are the best  
10 proof of the efficiency of our competitive  
11 system. At the same time, there is an  
12 inherent danger in large scale rate reductions  
13 made by corporations with vastly superior  
14 resources. The danger, of course, is the  
15 elimination of the competition which forced  
16 these rate reductions in the first place."

17 Now, we may have touched on this before but  
18 I want to put this question to you: provided that the  
19 rates are compensatory -- I will have to come back to  
20 that word again -- where is the danger of which you  
21 speak?

22 A. Well, for instance, it limits it to  
23 one type of transportation. As I say, rates are only  
24 one factor involved but there is also time, the speed  
25 with which goods can be transported and that becomes  
26 very important in Canada particularly because of the  
27 fact that we have had a chronic shortage of capital  
28 in this country. The speed with which goods can be  
29 moved is very important because if they can be moved  
30 more quickly it means the inventories can be a great





1  
2 deal smaller and so actually reduces the amounts of  
3 inventories that are required to be held in Canada  
4 amounting to several hundred million dollars. The fact  
5 that it can be moved quicker. All these things must be  
6 taken into consideration, it is not entirely a matter of  
7 rates.

8 Q. But just directing one's attention solely  
9 to that one point, you say:

10 "And at the same time, there is an inherent  
11 danger in large scale rate reductions made by  
12 corporations with vastly superior resources."

13 I am saying that if these rates are compensatory  
14 and they offer the lowest rate for a shipper to move his  
15 goods then what is the danger in allowing this rate to  
16 the general economy of the country?

17 A. I think in my reference I was not saying  
18 there was a danger in that kind of rate reflection. The  
19 danger I was referring was danger of where a concern with  
20 large financial resources is making an unwarranted or  
21 unjustified reduction.

22 Q. But, do you consider that the present  
23 provision of the Railway Act guards against the danger of  
24 an unwarranted or unjustified reduction in that railways  
25 must establish that the rates are compensatory. Is that  
26 not a sufficient test?

27 A. No, I do not think so, because I do not  
28 think, from the evidence that I have read before other  
29 hearings, the Board very very seldom has ever entered  
30 into whether or not the rate is compensatory. The





1  
2 railway has, on very few occasions, been asked to  
3 prove that a rate is compensatory. Secondly, as I  
4 say, there is no absolute definition of what is  
5 compensatory to begin with and I feel that is not  
6 sufficient protection.

7 Q. What protection are you then suggesting?

8 A. Well, I believe that the Board has to  
9 get a better test for compensatory rates. Perhaps  
10 they might need a larger staff to handle it. I think  
11 I have a reference here that perhaps will -- some  
12 evidence that came before the committee on railways,  
13 canals and telegraph lines, I think in 1955, dealing  
14 with this point. This is the standing committee on  
15 railways, canals and telegraph lines, the minutes of  
16 proceedings and evidence No. 10 and it is for Tuesday,  
17 June 28, 1955. The evidence, I might say, in here  
18 was taken from a previous hearing held before the  
19 Board of Transport Commissioners. However, this is the  
20 evidence as is found at page 380 and this is dealing  
21 with the number of times that railways have been asked  
22 to show that that their rates are not compensatory  
23 and how that has been done.





1  
2 It is rather difficult to find that place without taking  
3 up too much time of the Commission. The general trend  
4 of questioning had been going along as to when the  
5 railways had been asked -- the Commission asked:

6 "The Commissioner: Q. Mr. Edsforth, are you  
7 often called upon to do that?

8 A. We have not been so far, My Lord, very  
9 many times, but the requirement is still  
10 there and we must bear it in mind when making  
11 a rate.

12 "Mr. Hume: Q. May I just follow that up by  
13 asking you, of the 11,828 competitive rates  
14 put in the first four months of this year,  
15 were you asked to comply with that, to do that  
16 in any one of those, that you remember?

17 A. I do not recall any specific instance,  
18 Mr. Hume, except that I do think the Board has  
19 asked us on one or two occasions to give them  
20 certain information on our rates.

21 Q. And you have 1 million 200 thousand rates,  
22 so one or two instances are not a very severe  
23 regulation?

24 A. Well, of course, it is always there and  
25 may be applied at any time.

26 Q. But it is not so severe?

27 A. No."

28 There is quite a considerable amount of  
29 testimony on that point, but I think it is an  
30 indication that although the requirement is there it is





1  
2 something that is very difficult for the Board to  
3 determine -- what is a compensatory rate. There is no  
4 real definition of it, and I do not think it offers  
5 protection as it is at the present time.

6 Q. What do you think should be done to offer  
7 protection?

8 A. Well, I believe in the first instance  
9 we need to determine what a compensatory rate is; and,  
10 secondly, to see it is enforced.

11 Q. What specific suggestions would you have  
12 as to seeing that it is enforced?

13 A. I believe if the Board had a proper  
14 definition they would then be in a better position to  
15 enforce that, and perhaps the major thing is that we  
16 need to determine what is a compensatory rate and how it  
17 should be arrived at.

18 Q. Are you suggesting before the railway put  
19 in any rate it must establish to the Board that it is  
20 compensatory before it is allowed to put in a rate at  
21 all?

22 A. No, I am not suggesting that. I do not  
23 believe the railway should be held up from putting in  
24 rates by any means, but I do believe from the evidence  
25 I have just quoted that with the number of rates made  
26 there is really no consideration of them at the present  
27 time as to whether they are compensatory or not.

28 Q. You consider, then, that section 334 as  
29 to compensatory rate is something, which, in fact, is  
30 not given much attention to, if any attention?





1  
2 A. That is right.

3 Q. On page 13, paragraph 51, you state:

4 "At the same time the subject of agreed charges  
5 and competitive rates and their effect on  
6 different regions, classes of customers, and  
7 competing industries should be periodically re-  
8 viewed so as to provide the government and the  
9 Board with current guidance as to the impact  
10 of these rate policies on the transport  
11 industries and national economy, and thus  
12 assist in making changes in the regulatory  
13 policy as required."

14 What board should conduct any such periodical  
15 review?

16 A. Well, as I have said to the Commission,  
17 in setting up a Board it would depend on the nature of  
18 the Board regulating the whole of transportation. If  
19 the trucking industry were brought within the bounds  
20 of the Board of Transport Commissioners, then it would  
21 be that body.

22 Q. Then, you would put on the Board of  
23 Transport Commissioners the job of periodical review  
24 of all agreed charges and competitive rates? I am  
25 suggesting, Mr. Browne, and you will correct me if you  
26 consider that I am wrong, that this would have the  
27 effect of converting or enlarging the functions of the  
28 Board of Transport Commissioners into an economic  
29 planning board?

30 A. It would certainly enlarge the functions





1  
2 of that board if all of these things are transferred  
3 to them. I am not necessarily saying that everything  
4 must go to them. I say whatever board is decided upon  
5 to control these various aspects, then it must be  
6 brought before the proper regulatory board. It may be  
7 the Board of Transport Commissioners, but not necessarily.  
8 If they were having too much to do ---

9 Q. No matter what board it went before,  
10 that board would become an economic planning board,  
11 would it not?

12 A. I do not know just exactly what you mean.

13 Q. They would have to look into agreed charges  
14 and competitive rates that form a very large proportion  
15 now of the rates established by the railways, and they  
16 would have to consider the impact of those agreed charges  
17 and competitive rates on the whole economy of the  
18 country, really?

19 A. Yes, but ---

20 Q. As I read your paragraph?

21 A. Yes, but I am not saying they should  
22 have the power to change those things necessarily, but  
23 to make that information available.

24 Q. Do you think, Mr. Browne, that this  
25 derogates from the principle of a competitive free  
26 enterprise system -- this setting up of a board to  
27 look into all these rates and determine their impact  
28 upon the various segments of the economy, and, in fact,  
29 upon the economy as a whole?

30 A. No, I do not believe it derogates from





1  
2 free enterprise. The United States has for many years  
3 had a great deal closer regulation -- I am referring  
4 particularly to western Canada; my own firm hauls into  
5 the state of Washington and we are controlled there by  
6 the Interstate Commerce Commission, and in comparing  
7 that with the type of regulation in Canada, there is a  
8 great deal more of it, but I do not find it brings about  
9 any less competition in that area.

10 Q. Throughout your submission, Mr. Browne,  
11 you have referred, as I understand it, only to the  
12 for hire trucking industry?

13 A. That is right.

14 Q. There is a large segment of the trucking  
15 industry today, is there not, consisting of the private  
16 trucking segment of the industry?

17 A. Yes. I do not think there is too much  
18 private trucking of an inter-provincial area that would  
19 come within the scope of the federal government. Where  
20 it would come within their jurisdiction they should be  
21 subject to the same control as other forms of transport.

22 Q. But there would be a very considerable  
23 movement of goods by private firms owning their own  
24 trucks which would not be caught by any regulations  
25 you have suggested?

26 A. Of course, there are provincial boards  
27 to deal with the intra-provincial operations which  
28 would still be in effect regardless of anything the  
29 federal parliament would do.

30 Q. Are you suggesting with respect to





1  
2 intra-provincial movements that rates should be set and  
3 controlled by provincial boards?

4 A. Yes, I believe they should be.

5 Q. There should be rate control in all  
6 provinces with respect to these intra-provincial  
7 movements?

8 A. I am hardly in a position to tell all of  
9 the provinces what to do. I might advocate the province  
10 of British Columbia should do something. I would  
11 hesitate to take on the task of telling the others what  
12 to do.

13 Q. But you are in a position to express your  
14 opinion?

15 A. Yes, I am a firm believer in rate controls.

16 Q. And you consider that does not derogate  
17 in any way from the competitive field?

18 A. When I say "rate controls" I mean maximum  
19 rate controls, not to set the actual rate that can be  
20 charged.

21 MR. COOPER: Thank you, that is all I have.

22 THE CHAIRMAN: Mr. Brazier?

23 MR. BRAZIER: I have no questions, Mr. Chairman,  
24 of Mr. Browne, but as counsel for the province of British  
25 Columbia I did want to state how I delighted I was that  
26 Mr. Browne saw fit to take time out of his busy schedule  
27 to come before this Commission and present his views on  
28 a very important aspect of the transportation problem  
29 with which the Commission is dealing. It is a further  
30 source of satisfaction that he chose as his counsel Mr.





1  
2 Drysdale who was at one time associated with me in the  
3 practice of law and I can see Mr. Drysdale, in his usual  
4 way, has done his homework before coming here and read  
5 many of the transcripts.

6 THE CHAIRMAN: I think I said to you you were  
7 the first members of the House of Commons we had seen,  
8 but at Port Arthur we had Mr. Fisher and Mr. Badanai  
9 come before us. However, you are the first here.

10  
11  
12 --- Luncheon adjournment --  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30





1

2

---On commencing at 2 p.m.

3

THE CHAIRMAN: Order, please. Mr. Macdougall?

4

MR. MACDOUGALL: Thank you, Mr. Chairman.

5

CROSS-EXAMINATION BY MR. MACDOUGALL:

6

7

8

9

Q. Mr. Browne, my name is Graham Macdougall, appearing for Canadian National Railways, and if you would be good enough, I have a few questions here I would like to ask you about your brief.

10

11

You speak on the second page, in Paragraph 7, as follows:

12

"These benefits..."

13

14

15

16

And you have been talking about the benefits of service and competition which the trucking industry have brought to the nation's consumers and producers.

17

18

19

20

"These benefits can only continue and be ~~extended~~ extended if the trucking industry continues to expand and if the independent trucking industry exists."

21

22

23

24

25

26

27

28

29

30

Are you aware, Mr. Browne, that appearing before this Commission the President of the Canadian National Railways, Mr. Gordon, and also the Vice-President of Traffic, Mr. Hart, made very positive statements to the effect that Canadian National had no interest nor intention of endeavouring to extinguish the trucking industry or endeavouring to beat the trucking industry; that their sole interest was developing a trucking arm which, with its rail enterprise, would enable it to compete





1

2 not only with its major competitor, Canadian Pacific,  
3 which company has substantial highway services,  
4 but with the trucking industry as a whole.

5 Were you aware those statements had been made?

6 A. No, I was not aware of those statements.  
7 I might say, however, --

8 MR. DRYSDALE: Do you have the reference  
9 there?

10 MR. MACDOUGALL: I have not the reference  
11 specifically. I could get it for you.

12 THE WITNESS: I might say that my feeling  
13 is whatever the intention was, that when Mr. Gordon  
14 was before the Parliamentary Committee, the Sessional  
15 Committee on Railways Canals and telegraph lines  
16 last year, there was some questioning on this  
17 particular point, and the part that bothered some  
18 of the Members of the Committee at that time  
19 was that if that statement were true, that the  
20 type of trucking firms that the Canadian National  
21 Railways were purchasing were really entirely  
22 separate from the railroad and were not to be  
23 run in conjunction with the railway but were  
24 competing lines, and in some instances long distance  
25 haulers, and that did not seem to fit in with  
26 that kind of statement.

27 Q. Did you recall his statement before  
28 that forum to the effect he was not interested  
29 in endeavouring to extinguish the trucking industry?

30 A. I have no doubt that he would not have





1

2 that particular purpose in mind, but I am not convinced  
3 that the results would not have that effect.

4 Q. You think the motives are perfectly  
5 all right, but you have some fear that the result  
6 of the action might not be as intended? Is that  
7 your point?

8 A. That is right.

9 Q. Now, just on that point, Mr. Browne,  
10 the Canadian Pacific has had trucking subsidiaries  
11 and trucking operations for a long while.  
12 You are aware of that -- in Western Canada?

13 A. Yes.

14 Q. Have you seen any indication of  
15 these fears that you speak of in connection with  
16 Canadian Pacific's truck operation in Western  
17 Canada?

18 A. I believe one cannot take just one  
19 or the other. But, taking the whole, with the  
20 number of large trucking firms in Canada at the  
21 present time, and with the number that I know of  
22 that the two railroads own or control at the present  
23 time, I believe that danger does exist.

24 Q. You do not point particularly to any ~~evidence~~  
25 ~~evidence of this eliminating of the independent trucking~~  
26 industry on the records of the Canadian Pacific's  
27 operation in Western Canada in the last five or  
28 ten years?

29 A. Well, I say this, that whenever any  
30 large firm, which it would take a long time to





1  
2 duplicate the services of that firm, that it must  
3 lessen competition to some extent, because I do  
4 not believe that a subsidiary company or a wholly  
5 owned company can force competitive rate adjustments  
6 that would be done by an independent company.

7 Q. Can you give us any examples that  
8 show ~~these forces~~ you are speaking of at the moment  
9 eliminating the independent trucking industry?  
10 Has there been any evidence that that is taking  
11 place up to the present time in Canada?

12 A. The evidence is that the Canadian  
13 Pacific Railway and the Canadian National Railway  
14 have acquired a large number of trucking firms  
15 and these trucking firms are not now, in my  
16 opinion, independent firms and therefore, while  
17 they have not eliminated the independent firms,  
18 there certainly is a lessening of the number of  
19 them.

20 Q. Do you know of any adverse effect  
21 that those acquisitions have had on the independent  
22 truckers?

23 A. I think at the moment they are  
24 all competing with other trucking firms, but the  
25 policy would bound to be subjected to the control  
26 of the owners of that company.

27 Q. I think it is fair to say that the  
28 company which owns a trucking company or controls  
29 it will have some effect on its policy, but  
30 I am interested in the independent trucking industry





1  
2 which you have spoken of here which is a fairly large  
3 body of trucking operations both in Western Canada  
4 and Eastern Canada.

5 I wonder if you could point to any particular  
6 facts that would indicate that any situation has  
7 developed which indicates that the independence  
8 of the trucking industry is being seriously threatened?

9 A. In my opinion, it is being threatened  
10 every time one is purchased. Under the licencing  
11 set-up we have now, a trucking firm in each province,  
12 or most of them, must prove public necessity and  
13 convenience. When a railroad buys out an operating  
14 independent trucking company, it would be most  
15 unlikely it would duplicate it; that another  
16 licence would be granted to carry the same territory,  
17 and there is that much less segment of trucking  
18 in the area.

19 Q. Let me get this clear. You say  
20 if a railroad company buys out an independent truck  
21 ing enterprise there would be a duplicate trucking  
22 licence.

23 A. I say it would be most unlikely  
24 there would be, and therefore the competition is  
25 not replaced.

26 Q. But as far as the public is concerned,  
27 just because a trucking company is owned by a  
28 railway, as long as it is there on its franchise  
29 rights, competing with other truckers on the same  
30 routes, is the competition by truck not still





1

2 there for the public?

3 A. Well, it depends on the circumstances.  
4 I would have to have a particular instance.

5 Q. Take a province where there is  
6 rate control. The rates of that trucker that is  
7 owned by the railway will be controlled the same  
8 as any other independent trucker. They will be  
9 competing one with the other. What difference  
10 would you envisage as far as the public is concerned?

11 A. I would feel there would be a  
12 possibility of unfair competition because of the  
13 vast financial resources of the railroad being  
14 used in that trucking firm in competition with  
15 others, particularly if the railroad were being  
16 subsidized.

17 Q. How would you see these vast resources  
18 being used?

19 A. Well, perhaps in unwarranted rate  
20 reductions.

21 Q. How far can you, under a regulated  
22 truck system, reduce freight rates by truck?

23 A. Well, mainly the rate controls are  
24 maximum controls, and the rate itself is not con-  
25 trolled except up to a maximum.

26 Q. There is no control on the truckers  
27 as to going below their variable cost?

28 A. No, there is no limitation on minimum  
29 rates.

30 Q. They could cut the rates as low as they





1  
2 want to. You recognize there is regulation dealing  
3 with railways that prevent them from going below  
4 their variable cost?

5 A. Yes, and I believe that that should  
6 apply to the trucking industry.

7 Q. You would object, I presume, on that  
8 premise, to the practice which is used today in  
9 the trucking industry of what we call back-haul  
10 rates, which is carrying traffic for gasoline money,  
11 or something of that kind, at a very low rate. Because  
12 they have a good revenue return on the shipment  
13 in one direction they would take a commodity just  
14 to fill out on the back-haul for much less than the  
15 going rate for that traffic?

16 A. I do not believe goods should be  
17 hauled at uneconomical rates.

18 Q. You believe that carriers should carry  
19 the traffic at economic rates to return them at  
20 least variable cost and if they can full cost?

21 A. I am not willing to support variable  
22 cost. It must return all their costs on that service  
23 they are providing.

24 Q. Do you think it is possible for a  
25 carrier, either by rail or by road, to in every  
26 case obtain the full cost of transportation -- that  
27 is, the variable cost plus the full portion of  
28 the constant cost for the handling of that traffic  
29 for each segment of the traffic?

30 A. I can only say that I do not feel the





1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

present way of arriving at compensatory rates or costs in connection with these things is a satisfactory one, and that we need a better system for determining that.

Q. Do you offer some advice to the Commission as to what the alternative to the presently known definition of compensatory rates might be? And the present definition of a compensatory rate is variable cost plus some contribution to overhead. Have you something that you can offer in substitution for that?

A. No, I have not.

Q. You feel, then, that basically in rate making, both rail and truck, that there is a distinct element of value of service in rate making that while neither medium should try to exact unrealistically high tolls, nevertheless, they should endeavour to get pretty much whatever the shipper is willing to pay for the movement of his goods? Is that your feeling?

A. My feeling is that the competition will bring the price down; will keep the costs down to a reasonable level, and they won't be able to get too much over their proper profit.

THE CHAIRMAN: I think we should know what Mr. Browne means by all-costs. You have used that term.

THE WITNESS: Well, I think I used as an example earlier that my own experience in the trucking





1  
2 industry is this; that people will say, "Now, I have  
3 to pay certain licence fees and I have to pay  
4 certain insurance fees, and I have certain overhead  
5 expenses". And then, they say, "If I do one particular  
6 job, those expenses are going to go on whether I  
7 do that one job or whether I do not do that job".

8 I say, therefore, they are not taking into  
9 consideration all of their costs. If they do not  
10 take into consideration all of those factors and  
11 apply it to each individual job, I say I believe  
12 that is an unsound policy over a long period of  
13 time; that you cannot go on on that basis; that  
14 you must take into consideration all of those costs.

15 THE CHAIRMAN: What about investment?

16 THE WITNESS: Yes, and your investment.  
17 In other words, capital costs money and one must  
18 take that into consideration. I say every cost  
19 that is incurred must be taken into consideration.  
20 And, in the case of the trucking industry, it comes  
21 down to the miles travelled or some basis of that  
22 nature -- whatever you want to use -- but you  
23 cannot disregard certain costs and say they are  
24 going to go on "whether I move this traffic or  
25 not".

26 I believe there is an element of that,  
27 and I certainly do not deny it has been done in the  
28 trucking industry, and I believe it is done in  
29 the railroad industry, and I believe it is an unsound  
30 principle.





1  
2 MR. MACDOUGALL: Q. This Commission has  
3 heard a good deal about costing, Mr. Browne, and  
4 have a lot of testimony in that regard. And,  
5 just to speak again of this point you are raising,  
6 when the phrase is used "variable cost plus some  
7 contribution to overhead," what is meant is all  
8 the cost that vary with the handling of the traffic  
9 on a long term basis; which, looking at it from  
10 the point of view of a number of years, means more  
11 than just the actual costs incurred today, but  
12 includes interest and depreciation -- and such  
13 depreciation may vary on a long term basis on  
14 certain traffic.

15 And, as I understand your answer to the  
16 chairman, you would say that all costs would include  
17 these portions of investment and interest and  
18 depreciation which varied on a long term basis  
19 with the handling of a certain body of traffic?

20 A. Yes.

21 Q. I think probably when you use the  
22 term "all costs", you are really saying the same  
23 thing -- long term variable costs plus a contribution  
24 to overhead?

25 A. That may be. I think I have said  
26 all that I could say on the point, and I think  
27 my views now are clearly on the record on that  
28 point.

29 Q. The point is this, though. If you  
30 have certain traffic which -- say, sand and gravel





1  
2 is an example of low-rated traffic on the railroad --  
3 I suggest to you if the railroad was to attempt  
4 to get its all-inclusive costs from sand and gravel  
5 probably it would not move any sand and gravel  
6 and also you would probably agree that the trucker  
7 has shown no interest in moving sand and gravel  
8 except in very short hauls. I would ask you if  
9 we were to look for all-inclusive or fully distributed  
10 costs -- that is, complete cost, all cost -- from  
11 each segment of traffic, what would we do with things  
12 like sand and gravel?

13 A. I would only say this. That this  
14 becomes a very important aspect of national policy,  
15 because if you are going to haul some product at  
16 an uneconomical rate and lower than your cost of  
17 hauling them, obviously somebody else is going to  
18 have to pay that cost.

19 In this day, where we need to export from  
20 this country, an industry may be taking products --  
21 such as our lumber industry, which is a huge export  
22 industry; they may have to pay more because we  
23 are hauling something at a too low rate. If something  
24 has to be done for those industries which cannot  
25 pay, it should be a matter for Government policy;  
26 it should not be a matter for the railroads to  
27 be able to decide that. It is too important an  
28 aspect of our national policy to be decided entirely  
29 by the railroads.

30 Q. You do not see anything basically wrong





1

2 with there being a certain amount of cross-subsidization  
3 between various items of traffic handled by the  
4 railroad as long as they get their long term variable  
5 cost plus a contribution to overhead?

6 A. I do not think one industry should  
7 be subsidizing another, at least, without the public  
8 realizing it and without all the aspects of our  
9 economy considered. I do not think that is a job  
10 for the railroad.

11 Q. You have no suggestions as to  
12 how we might find out how this is happening?

13 A. My feeling is that if a proper basis  
14 is established so that the Board can determine what  
15 the costs are of hauling the various commodities  
16 then they will be in a position to know what is  
17 being charged and what subsidization is going on  
18 and whether or not a change should be made.

19 Q. What you are really saying is you  
20 think we should have more information about the costs  
21 of moving traffic, so the Board would have more  
22 information before it to decide questions of this kind?

23 A. I think it is too important an aspect  
24 of our national policy to be decided by the railroads  
25 alone. It is really a matter of Government policy  
26 as to whether one industry should subsidize another.

27 Q. You speak on page 3 in paragraph 12 --  
28 you say:

29 "No longer can the industry..."

30 Which is the trucking industry --





1

2

"No longer can the industry be assumed to have a local or regional character ".

4

5

6

7

8

Do I understand your position on the trucking industry to be basically it is competitive with other trucks and with rails, water, and other forms of transportation generally throughout the whole of Canada?

9

10

A. It is potentially competitive on that basis.

11

12

13

Q. In many areas, I would suggest to you it is actually competitive as well as potentially? Is that not so?

14

15

16

A. Yes, over the greater part of the area, and over the very greater number of commodities, I would say that is true.

17

18

19

20

Q. For instance, in the movement between major centers in Canada, I think it is fair to say it is completely competitive between rail and highway carriers today?

21

22

23

24

A. Yes, except that I believe that trucking has been retarded in some areas, particularly the Maritimes because of the Maritime Freight Rates Act.

25

26

27

28

Q. I see. Because of some Government policy with respect to subsidization of a certain element of the public, you feel there has been some retarding of the trucking industry?

29

30

A. I am not objecting to the public being subsidized. What I am objecting to is the railroad





1  
2 being subsidized, or one chosen form of transportation  
3 being subsidized.

4 Q. Do you think that the Maritime Freight  
5 Rates Act is a subsidy to the railways?

6 A. It has that effect.

7 Q. I am sure the people of the Maritimes  
8 think it is a subsidy to enable them to bring their  
9 goods into the central Canadian market?

10 A. It eliminates their choice of a means  
11 of transportation. Where there is no choice of  
12 transportation, and there is no competition, a  
13 subsidy can well be paid on an uncompetitive rate  
14 and not really be a reduction. If competition  
15 exists in the first place, and the rates are brought  
16 down to the lowest possible level of competition,  
17 and then a subsidy is applied equally to all forms  
18 of transportation, then a genuine rate reduction  
19 is applied.

20 Q. Suppose you do get your rates reduced  
21 to this level which you speak of by competition,  
22 but one carrier is very close to us and his cost  
23 level is at the point where if he goes much lower  
24 he will go out of business, but the other has a  
25 considerable distance to go down before he goes  
26 out of business. Do you not think a payment of  
27 subsidy in that situation is just subsidizing the  
28 high cost carrier and the preferable thing to do  
29 would be to allow competition to apply to the point  
30 where the carrier with the lowest cost structure





1  
2 would eventually get the traffic?

3 A. I am not suggesting we subsidize the  
4 carrier. I am suggesting we subsidize the shipper  
5 so he can use the means of transportation. Whether  
6 or not the subsidy is actually paid to the carrier  
7 is immaterial. The subsidy would be paid on behalf  
8 of the area or the people of that district that were  
9 wanting to subsidize it.

10 Q. I am suggesting to you on the illustration  
11 you gave there, if you allowed a subsidy there  
12 you would be allowing the high cost carrier to  
13 continue in business at rates below his cost level  
14 and it would be kept there by his subsidy?

15 A. I do not agree with that.

16 Q. You are not suggesting that the  
17 people of the Maritimes would prefer just to have  
18 a straight competitive situation and do away with  
19 the Maritimes Freight Rates Act; are you?

20 A. No, I do not think anybody would wish  
21 to do away with any subsidy which they are receiving.  
22  
23  
24  
25  
26  
27  
28  
29  
30





1  
2 Q. However, on that same page 3 you speak  
3 about the guiding principles:

4 "The same guiding principles should be  
5 followed in our treatment of highway  
6 transportation, railways, commercial aviation  
7 or pipelines."

8 Do I understand by that you are suggesting  
9 that the rules of the Commission, whatever they may be,  
10 should be the same for all these various carriers?

11 A. Yes, I mean there should be no chosen  
12 instruments and there should be the same regulations for  
13 all forms of transportation.

14 Q. Do you know today whether or not in the  
15 trucking industry, for instance, the rates that are in  
16 effect are always published rates, they are known to the  
17 shipper and the people of Canada in the trucking industry  
18 and the area in which the truck is operating?

19 A. No, there is not that regulation in every  
20 province. My own province of British Columbia the  
21 trucking industry is fairly well controlled; however,  
22 that is not true in all provinces and that is the reason  
23 I suggest it should come under a federal board.

24 Q. So you would have them in the same  
25 position as the railways that the rates would be  
26 published, the trucking rates would be published and  
27 they would not go below the cost floor, whatever the  
28 regulatory board should say, variable cost and something  
29 to overhead and the rates should not be lower than  
30 necessary to meet competition.





1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

A. No, the technical details are something that the Board would have to work out. Certainly I think they should be subject to rate control but just what form that should take I am not ready to speak of in detail.

Q. At the present time the railways are under law required to have their rates compensatory as may be decided by the transportation Board and the rates should not be lower than necessary to meet competition. That is the requirement of the law as far as railways are concerned and I am wondering -- I just fail to see the fears that you express when the railway industry is controlled in that way and the trucking industry is not so controlled that the trucking industry is at such a disadvantage.

A. I do not think there should be any distinction between the railroads. I am not saying the present system is the best, that is something for the Board to consider when they have the whole of the industry to control. I am not satisfied that the present determination of what is compensatory is right. I do not think there is enough consideration being given to whether or not rates are compensatory. I do not think "compensatory" is defined properly and I do not think there are steps being taken to find out.

Q. Well, you are not suggesting, Mr. Browne, that the railroads make no effort to find out whether the rates are compensatory, do you?

A. No, I am certainly not suggesting that.





1

2

The railroads may decide to do something at less than  
a compensatory rate and I have no way of knowing.

4

5

Q. You do not know that they have ever done  
that, do you?

6

7

8

A. It would be a matter of opinion and I do  
not think there would be any point in expressing an  
opinion.

9

10

11

12

13

14

15

16

17

18

Q. I am just trying to get to the basis  
for your statement which is basically directed towards  
the interest of the trucking industry and the rail  
industry and the competitive forces which apply between  
the two and the regulation which should apply to both.  
The railroads are under an obligation by law to have  
the rate on a compensatory basis and not lower than to  
meet competition. I want to know whether you have any  
knowledge that the railways have not lived up to this  
legal obligation.

19

20

21

22

23

24

25

26

27

A. No. I have had information supplied to  
me by people in the trucking industry but whether their  
figures are accurate or not I do not know. If these  
figures had been submitted by an economist who had  
studied these figures it would indicate to me that some  
of these rates are at less than a compensatory level.  
However, I am not in a position to substantiate them  
and that is why I say it would only be a matter of  
opinion.

28

29

30

Q. And when you say your opinion is that  
these rates are less than at the compensatory level,  
are you speaking now of variable costs?





1

2

A. Yes, as they have been determined so far as the rate is concerned.

4

5

Q. But you have no detailed knowledge you can give the Commission on that point?

6

7

8

9

10

11

A. No. I have had certain information supplied to me but I would not want to stand behind their authenticity. If the Board was interested I could bring it before them for their consideration. I am not sure whether they have as much or more information than I have on that subject.

12

13

14

15

Q. I am sure that probably the information that you have would be in the hands of the shippers whose traffic would be moving under those rates or their competitors?

16

17

18

19

20

A. I do not know whether the shipper is interested in whether a rate is compensatory or not. A shipper is interested in the lowest rate and I do not think he would have any interest in that aspect of it.

21

22

23

24

25

26

Q. In any event, you agree with the general proposition that the regulations as they apply presently to the railway companies concerning the compensatory nature of the rates is a quite unrealistic or unreasonable rule and that it should apply to all transportation industries in Canada?

27

28

29

A. Yes. I do not say the exact working of the thing is what I agree with but I certainly agree with the intent.

30

Q. And you agree with the general





1

2

3

4

5

6

proposition that in the general search for business by the different transportation media in what we call the competitive area, there should be free competition to compete between the highways, railways and other carriers?

7

A. Yes.

8

9

10

11

12

13

14

15

16

17

Q. Now, the Canadian National has proposed to this Commission that in that competitive area that the regulation required should be of the minimum nature to keep competition as free as possible and that the public would be well protected if particular attention was obtained by a regulatory board to the non-competitive rates to be sure we are competitive and do not hold the rates down, that the rates are fair and reasonable in the non-competitive area. I am asking you whether you would agree with that general proposition?

18

19

20

A. Well, as a general principle I would say I agree with the last regulation, we have to have it consistent with the public interest.

21

22

23

24

25

26

27

28

29

30

Q. Now, at the top of page 4, you state:

"Monopolies can be established either through purchases of competing firms or through rate practices which lead to elimination of competition. The application of this principle requires national control over the acquisition of transportation firms by firms established in other transportation industries and also the right of one transportation industry to intervene in cases where the rates





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

established by his competitor may lead to  
elimination or weakening of the competition."

I heard you this morning in talking to Mr.  
Cooper expressing some fears, expressing the possibility  
of recreating monopoly and you would not agree with him  
that the actual day of monopoly in transportation passed  
when Canada had a network of highways from coast to  
coast so trucks could operate moving between the major  
centers.

MR. DRYSDALE: Perhaps, Mr. Macdougall, you  
could define "monopoly", because I believe Mr. Hart  
refers to a "functional monopoly"?

MR. MACDOUGALL: Q. I am talking about  
carrier competition in respect of monopoly. When you  
speak of carriers you are talking of one carrier, say  
the railroad, gaining control of the transportation of  
goods in a certain area. I suggest to you that with  
the advent of the highway that you have carrier  
competition by highway, either actual or potential,  
throughout the length and breadth of Canada and I  
wondered how you could possibly think of a monopoly  
being created by the railroad in those circumstances?

A. I have already pointed out the example  
of the Maritimes where trucking is behind the rest of  
the country, in my opinion, because of the impact of  
the Maritime Freight Rate Act and I say it could happen  
across the rest of the country and I think it can happen  
if the railways are allowed to go on without any  
restriction in purchasing truck lines.





1  
2 Q. Have you the idea in mind that the  
3 railways are going to endeavour, by purchasing of the  
4 truck lines in Canada, to create a monopoly? In other  
5 words, knowingly or inadvertently?

6 A. I am not in a position to assess the  
7 methods of the railway. I am only saying what is  
8 happening.

9 Q. Take the Canadian Pacific, for instance,  
10 the evidence is fairly clear that the Canadian Pacific  
11 has no particular design at the moment for the purchase  
12 of any other highway enterprises. That came from their  
13 vice-president not so long ago. The Canadian National  
14 information to the Commission is to the effect that it  
15 is endeavouring to build up a trucking arm subsidiary  
16 to the rail enterprise and that it has acquired most  
17 companies it is concerned in but there are a number  
18 of others to be filled out in a network across Canada.  
19 However, they are not interested in acquiring trucks  
20 just because they are competitors. Is your submission  
21 designed to disprove that, that there is some design  
22 on the part of the railways to create a monopoly?

23 A. What I am saying is, I believe the  
24 railways have a legitimate interest in providing a  
25 truck line that is running in place of a branch line  
26 or where it is more economic to run by truck and road.  
27 But, when they set out to get a general network of  
28 trucks and rail across the country, they are getting  
29 into a different position of lessening the competition.

30 Q. So your objection is to the railways





1  
2 getting into the long haul movement but you do not  
3 object to them acquiring truck lines to act as  
4 subsidiaries to rail?

5 A. Where there are definite advantages  
6 where they are not speaking of management of a trucking  
7 industry to the railroad.

8 Q. In long haul, the transcontinental field,  
9 there are many commodities which lend themselves  
10 admirably to long haul movement by truck either  
11 from the point of view of special service characteristics  
12 that may be inherent in the trucking operation or for  
13 some other reason. You are aware of that?

14 A. Yes.

15 Q. Does it not seem reasonable to you that  
16 the railway companies as a transportation enterprise  
17 might say that there is a certain portion of the market  
18 which is entirely directed to the long haul trucking  
19 business if they are going to ever acquire a fully  
20 integrated transportation system that they should not  
21 go into the long haul movement to share in that form of  
22 traffic which would not come to them in any other way?

23 A. I am not saying they should not share  
24 in it, but I believe the share is too big at this  
25 time and there is every indication that it will grow.

26 Q. You do not object to that share of  
27 the long haul traffic but you do not want them to get  
28 too large a share?

29 A. That is right.

30 Q. I would also understand that you are in





1  
2 favour of the Canadian National Railway enterprise being  
3 as healthy as possible, in fact, anything done to im-  
4 prove its financial position you would be in favour of  
5 as long as it is fair and equitable.

6 A. I would not say "in fact", I would have  
7 to know what you had in mind before I make any comment  
8 on that.

9 Q. That is too broad a statement for you?

10 Just on this point, it has interested me  
11 to look on the facts which I think are fairly well  
12 known. They were put before this Commission, exhibit  
13 48, inter-city revenue ton miles of freight in Canada  
14 and these facts that we refer to here are matters of  
15 general knowledge as well and that is the general  
16 transportation market, that is the volume of goods  
17 moving in Canada over the last ten years, 1948 to 1958  
18 have been expanding, that the railroads' share have been  
19 diminishing and the pipeline share has been much  
20 increased and the highway transportation has been much  
21 increased. So, looking at the results of the last ten  
22 years of the ability of the trucking industry to obtain  
23 business, I suggest to you that despite such things as  
24 you have been speaking of and speak of in your brief,  
25 the rate practices of the railway, and in later years  
26 the acquisition of highway enterprises by the railways,  
27 that the trucking industry has been growing very quickly  
28 in Canada the last ten years, is that not correct?

29 A. I presume that those figures you are  
30 quoting also take into consideration the amount of goods





1  
2 that are carried by the railways own truck lines?

3 Q. Yes, I think the D.B.S. figures take  
4 into account all traffic moved whether by rail or by  
5 independent trucker.

6 A. I would agree that the trucking industry  
7 was growing but that does not necessarily mean that the  
8 independent trucking industry was growing.

9 Q. Well, the trucking industry has been  
10 growing rather considerably in the last few months?

11 A. Yes, including the railway trucking  
12 industry.

13 Q. But in the Canadian National case, they  
14 did not acquire any outside trucking industry except  
15 their own express and their own subsidiary, Canadian  
16 National Transport Company until 1959 so leaving  
17 Canadian National out of the picture up until 1959 and  
18 leaving Canadian Pacific out of the picture except in  
19 their western enterprise which they have had for many  
20 years, the trucking industry has been an independent  
21 industry, on your definition, until 1959?

22 A. I would just keep in mind that the  
23 Canadian National had asked for \$15 million and were  
24 actually authorized by parliament to expend \$15 million  
25 dollars in acquiring truck lines. I would also point  
26 out the information put on the record by Mr. Sinclair  
27 as to what was owned by Canadian Pacific. I am sure  
28 everyone will agree they have a very substantial number  
29 of trucks in a very extensive operating trucking industry.

30 Q. Yes, I think they have a substantial





1  
2 trucking interest but not one out of proportion with  
3 the Canadian Pacific enterprise nor is the Canadian  
4 National out of proportion with this enterprise, do  
5 you think?

6 A. I have not access to all the information  
7 as to how many trucks are in Canada and what the  
8 percentage is that is controlled by the Canadian  
9 National. I can only judge on the general knowledge  
10 I have of the size of the industry and what the Canadian  
11 Pacific holdings are and what the Canadian National has  
12 acquired and the money they have left to purchase more  
13 that was authorized by parliament. I think this matter  
14 needs very careful consideration by this Commission.

15 Q. Why do you suggest this Commission should  
16 investigate a matter upon which Parliament has decided  
17 that Canadian National should have financial help for  
18 acquiring certain trucking industries? Is parliament  
19 not supreme in the country and have they not decided  
20 the question?

21 A. They have decided the question but they  
22 have not decided for all time. I am not in a position  
23 to say what the mind of the government was in granting  
24 that amount of money to the Canadian National Railways.  
25 However, I presume it was on the basis of the fact that  
26 the Canadian Pacific had substantial holdings and it  
27 was only right that the Canadian National should be  
28 allowed to compete. However, that does not mean to say  
29 that the Commission should not consider whether or not  
30 the Canadian Pacific had too much of a trucking interest





1  
2 in the first instance and, therefore, the argument in  
3 support of the Canadian National going into the  
4 industry is wrong.

5 Q. In any event, you do say it is a  
6 sensible method that if the Canadian National was able  
7 to compete then it should compete on all fours with its  
8 major competitor the Canadian Pacific.

9 A. I am not sure of that. In fact, the  
10 Minister of Transport in the last session of parliament  
11 indicated when he came back from the United Kingdom  
12 that there was a great deal more competition in the  
13 transportation field in the United Kingdom since the  
14 introduction over there of denationalization of the  
15 trucking industry. My feeling is that the acquisition  
16 of trucking industries by the Canadian National Railways  
17 is a form of nationalization of that industry in this  
18 country and I am opposed to that policy.

19 Q. I see, so the government's policy in  
20 this connection is not compatible with your views on  
21 the matter.

22 A. The action that the government  
23 has taken is not necessarily decided as a long  
24 term policy, otherwise it would not have set up this  
25 Commission to investigate the whole matter.

26 Q. Well, I do not think we can agree that  
27 this Commission was set-up to investigate the Canadian  
28 National acquisitions in the trucking industry but,  
29 in any event, your views do not coincide with the  
30 public bodies who decided this.





1  
2 A. I would not say that, because as I say,  
3 I do not believe the government decided on a long term  
4 policy when they made that commitment.

5 Q. Your suggestion, as I understand it,  
6 concerning regulation, while you have just told me that  
7 you believe in the competitive field that there should  
8 be maximum freedom to compete, nevertheless, you still  
9 have an indication in your brief that you favour some  
10 form of regulation of not only the railways but the  
11 trucking even in the competitive field. Why do you  
12 talk about need for regulation in the competitive  
13 field? The shipper must be the man we are looking after,  
14 is he not protected when there is competition without  
15 having regulatory bodies to say how he must establish  
16 it?

17 A. As I have pointed out consistently  
18 throughout the hearings, I submit there are a lot more  
19 things to it than just the rates. He could be protected  
20 as far as the rates are concerned but there are many  
21 other aspects which must be taken into consideration  
22 and, therefore, the regulatory bodies should be in a  
23 position to take into account all these factors.

24 Q. What would these other factors be?

25 A. Well, for instance, we have the  
26 regulations in so far as the amount of weight that can be  
27 hauled on trucks. We have, as I pointed out before,  
28 the fact of time may be a consideration and even though  
29 one has a lower rate the fact that another industry  
30 can do the job quicker is a factor. There are many such





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

factors which must be taken into account.

Q. But surely these are competitive factors, these are things which decide which transportation will get the traffic, whether he has a better service, moves more quickly and better rates he can offer the shipper. The shipper is looking for a variety of things, you can rightly say, not only the rate but presuming these things are free to apply by the carriers competing, why is not reasonable? Subject, only to the fact that the price must be compensatory, not lower than necessary to meet competition so there is no unrestricted cutting of rates offered to the public, what else is needed?





1

2

3

A. Because we have to have licencing  
in the first place.

4

5

6

Q. Yes, licencing, but that is a different  
thing. I am thinking of the shipper: he doesn't  
worry whether a man has a licence or not.

7

8

9

10

11

12

13

14

15

16

A. But I don't think an unlicensed carrier  
should be allowed to get in, because that has  
been the trouble in the past. You have had unlicensed  
operators in the piggyback, for instance, where  
there is nothing in our present regulations that  
covers that. There is nothing to stop anybody  
from shipping a truck to any point in Canada  
not bearing any of the obligations of the regulated  
carrier, whether motor transport or railway,  
and competing with both of them.

17

18

19

20

21

Q. Do you know the present policy of  
Canadian National is that only those highway  
carriers who have highway operating licences between  
two points are carried by piggyback on the railway  
between those same points?

22

23

24

25

A. I was not aware of that policy.

26

27

A. But there is nothing that requires  
them to do that.

28

29

30

Q. Well, the control of the trucker,  
of course, is a control of the province, but getting  
back to the point you have just mentioned, and thinking





1  
2 in terms of the shipper -- not of protecting the  
3 trucker -- but I am thinking of Mr. Smith and Mr.  
4 Jones who want to move their goods: what other  
5 protection do they need?

6 A. He needs the protection that they  
7 are responsible operators in the business and not  
8 here today and gone tomorrow. He needs continuity  
9 of service also.

10 Q. But from the point of view of  
11 service and rates to see he is given fair treatment  
12 in the handling of his goods, presumably we are  
13 going to have responsible operators in the field.  
14 Does he need anything more to protect him?

15 A. As I say, in the whole field of  
16 responsibility he has to be sure, if he is  
17 shipping goods on a C.O.D. basis, that his money  
18 is going to be returned to him promptly. These  
19 require regulation by a proper regulatory board.

20 Q. Can you think of anything else now  
21 besides making sure you have a carrier who is responsible?

22 A. At the moment I would not say there  
23 are not other things. Those are the ones that come  
24 to mind at this moment.

25 Q. Do you advocate the creation in Canada  
26 of something comparable to what has been in effect  
27 in the United States for the last number of years,  
28 where you have one body controlling the trucks and  
29 the railways, such as the Interstate Commerce  
30 Commission has been doing until recently?





1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

A. No, I have indicated I haven't got a firm conviction on that. It perhaps could be done by the Board of Transport Commissioners, but I am not wanting to take that position. It may mean it would require another board as well.

Q. Are you aware of the fact this type of control of one board in the United States has not been satisfactory either to the motor carrier or the rail carrier, and a great deal of dissatisfaction has been expressed by both modes of carrier?

A. I don't doubt where there are controls there will be dissatisfaction expressed by somebody, but I am not saying I don't think their controls have not been satisfactory.

MR. DRYSDALE: What is your basis for that statement, Mr. Macdougall? Is there some authority, or is it an opinion?

MR. MACDOUGALL: I think it is a matter of common knowledge an Act was passed in 1958 to correct that situation -- the 1958 Transport Act.

Q. Are you familiar with that?

A. Yes.

Q. Which enabled the carriers to be much more competitive than they were before?

A. But there certainly is no comparison between the regulation in Canada and what has happened in the United States. There is a vast difference in between.





1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

Q. I am trying to get at that point as to why there needs to be more regulation. The evidence before this Commission has been where you have competition you don't really need regulation except things to protect the shipper from the rates being too low and rate cutting between carriers so rates are lower than necessary?

A. The reason I say there needs to be more regulation is the fact that at the present time the industries are controlled separately. They can't appear before the same board when a matter comes up, and the argument has been if the railways are subjected to this control the trucking industry cannot appear unless they are willing to be under the same control, and if it has been necessary throughout the years to have these controls placed on the railway, then I can only say in fairness the trucking industry would have to be subject to the same control.

Q. How do you think it would help the shipper to have the trucking industry complain about railway rates, or vice versa?

A. I am saying where a segment of the trucking industry may be forced out of business by rate cutting, that would not be in the long term interest of the shipper even though he was getting a reduction.

Q. Wouldn't you think it in the long term interest of the shipper if one carrier is able





1

2

3

4

5

to carry his traffic at a compensatory, remunerative rate and the other is not, that it is in the interests of the shipper that the one who is uneconomic should not be in the business at all?

6

7

8

9

10

11

12

13

14

15

A. Yes, I agree with you on the basis I have stated that all costs are covered. I am not saying the rates should be kept at a point to allow the other one to stay there, but it does have to be taken into consideration whether or not when one is forced out of the business that the other is going to raise his rates and whether the other industry would take a long time to replace. Then I think the board would have to give consideration to ~~that~~ and judge each case on its merits.

16

17

18

19

20

Q. Your fear is if the railway is to reduce its rates to the point where the highway operator is forced out of business that the railway would then raise its rates to the detriment of the shipping public?

21

A. That is a possibility.

22

23

24

25

26

27

28

29

Q. I presume you would agree with me one of the great benefits of the highway transport industry to Canadians is the ability of a trucker to quickly get in the business. As soon as he can get a truck and get on the road he can get into business in a small way; and also his ability to get out of the business when he decides it is not economic?

30

A. On a long haul basis I don't believe





1  
2 that is any longer true. The capital investment  
3 is too great to get into the long haul business  
4 on highway transport that is going to be of any  
5 consequence.

6 Q. But you will admit he has the ability  
7 to get into the business very quickly if he can  
8 get the down payment on a truck and get a franchise?

9 A. He has to be licenced, of course,  
10 and I feel if it were brought under a Federal  
11 regulatory board that it might not be so easy.

12 Q. On Page 6 you make a suggestion there  
13 concerning the head of the lakes, and the Lakehead  
14 as a St. Lawrence port, ~~and suggest~~ that the establish-  
15 ment of satisfactory loading and unloading facilities  
16 for trucks, as well as highway improvements,  
17 so that the economic benefits of the harbour can  
18 be felt as widely as possible. You are aware  
19 that at these ports the facilities which the railway  
20 company uses, such as trackage and sheds and so  
21 on are provided by the railway companies themselves,  
22 and I was wondering why you suggested that the  
23 loading and unloading facilities for trucks, as  
24 well as highway improvements should be established,  
25 I presume, at the public expense rather than being  
26 paid for by the truckers themselves?

27 A. Yes, I believe in those areas where  
28 the Harbour Board -- and they don't have the same  
29 policy in every port in Canada -- but in some  
30 ports the Harbour Board does the developing.





1  
2 In other areas they leave it to private enterprise.  
3 I believe in those areas where the Harbour Board  
4 is doing the developing, or where private enterprise  
5 fails to provide something, then it is up to  
6 the Harbour Board to provide those facilities.  
7 There have been a number of complaints made by the  
8 Trucking Association in the loading of grain,  
9 for instance, that they were being charged higher  
10 rates on loading than rail were being charged,  
11 and those matters have already been before the  
12 Board of Transport Commissioners.

13 Q. Well would you suggest it would not  
14 be fair in those circumstances for the trucking  
15 enterprise that wants to operate through that  
16 port to construct its own road from the main highway  
17 down to the point where it wants to haul the  
18 traffic, and also the shed facilities?

19 A. I can only say the railways use lots  
20 of facilities provided by the Government.

21 Q. Yes, that is perfectly true but I  
22 think basically their shed facilities and trackage  
23 are provided by themselves?

24 A. I am not familiar with it all across  
25 the country, but certainly in Vancouver a good  
26 many of the sheds where they load and unload their  
27 freight cars are publicly owned sheds by the  
28 National Harbours Board.

29 Q. Yes, on the National Harbours Board  
30 property it may well be, but there are a good many





1  
2 other areas where goods are loaded that are  
3 privately owned -- some are railway sheds?

4 A. Trucks do have facilities on their own  
5 property too.

6 Q. I was thinking particularly of the  
7 ports you speak of -- the Lakehead; it seems to  
8 me reasonable, if they are looking there for business,  
9 they should go in there and put up their sheds?

10 A. Because it has been the policy of  
11 the National Harbours Board to develop some of these  
12 areas, and I believe where they are doing that,  
13 facilities should be made available for truck  
14 transportation on an equal basis.

15 COMMISSIONER MANN: Mr. Browne, the National  
16 Harbours Board does not operate at Port Arthur  
17 and Fort William.

18 THE WITNESS: I realize that.

19 COMMISSIONER MANN: Well, you talk about  
20 the Lakehead and this discussion seemed to touch  
21 on the Lakehead.

22 THE WITNESS: Yes, I appreciate that.

23 MR. MACDOUGALL: Q. Page 7, Mr. Browne,  
24 you are speaking of the problem of subsidies and  
25 there are a few pages there on it. Isn't it right  
26 to say that in the last number of years the trucking  
27 industry has had a great expansion, almost an  
28 explosion, in Canada despite the fact there are  
29 some of these subsidies being paid and it has worked  
30 to their detriment, as you say?





1

2

A. I think we have already dealt with that subject, that it has increased greatly including the railway-owned ones.

5

6

7

Q. Yes, but that is despite the fact subsidies of various kinds and various interests have been paid?

8

9

10

A. Well it has not expanded greatly in the Maritimes where the Maritime freight rates is being paid.

11

12

Q. Do you think there is no highway carrier competition for the railway in the Maritimes?

13

14

A. It is much less than across the rest of Canada.

15

16

Q. Throughout the whole of the rest of Canada?

17

A. I believe so.

18

19

20

Q. I suggest to you there are points in Canada which probably haven't got nearly as much truck competition as the Maritimes?

21

22

23

24

A. Taking it provincially on a per capita per ton mile basis, my recollection is that they were a good deal less in the Maritimes as a whole than in any other province.

25

26

27

Q. Has the thought every occurred to you that perhaps the Maritimers are happy to have it that way?

28

29

A. I don't think they are happier to be paying any higher freight rates than are necessary.

30

Q. I am sure they are not but I suggest to





1  
2 you if they are getting good service that they are  
3 probably quite happy ~~to~~ have it that way?

4 A. Well, service is one aspect and rates  
5 is another. They may be happy with the service but  
6 I doubt if they are happy with the rates.

7 Q. Is anybody in Canada happy with the  
8 rates if he can get a lower one?

9 In Paragraph 29 you are talking again  
10 about subsidies and you say, "They should be clearly  
11 stated. It must be stated who is to be  
12 the benefactor of the subsidies."

13 I take it ~~you are~~ saying if a subsidy is granted  
14 you would not want it to be covered up so that it  
15 will appear to be something which it is not? You  
16 want it clearly set up as a subsidy to the farmer,  
17 or to the railway company, or to the trucking industry,  
18 or the shippers generally; is that what you mean?

19 A. Yes, that is correct.

20 Q. Why do you feel that is advantageous  
21 over some other form of payment -- or disguised  
22 form of payment?

23 A. I feel the public is entitled to know  
24 what subsidies are being paid and for what they  
25 are being paid because, in effect, a group of  
26 people may be paying subsidies for another and it  
27 may not be realized they are receiving another  
28 subsidy in another form through transportation.  
29 A subsidy paid to one group of people should be  
30 recognized as such.





1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

Q. Take a subsidy to the farmer for the handling of western grain: your suggestion would be the subsidy should be accurately defined as to who is the beneficiary of the subsidy and what it is specifically for?

A. I don't know there is a subsidy being paid for that purpose.

Q. No, there isn't, but one of the propositions before this Commission is that because of the low nature of the rate on export grain that in lieu of raising the rate a subsidy should be paid by the Federal Government on behalf of the western farmer to reimburse the railways for their cost of carrying this grain traffic, and I ask you whether or not in those circumstances you think that the legislation which might provide for that, supposing it were to be ordered on recommendation of this Commission, should define it is a subsidy in respect of grain and in respect of the farmers' haulage of the grain to export positions?

A. That is right

Q. If that were so, and as I understand your submission, it should be made in such a way that the trucker could share in it if he wished to do so, if he could haul grain?

A. I believe my intention was to indicate I felt it should be paid to the Canadian Wheat Board who would be able to choose whatever form of transporta-





1  
2 tion became available. It may not be beyond the  
3 realm of possibility that pipelines will become  
4 available for that purpose.

5 Q. Are you aware the Canadian Wheat  
6 Board does not deal in all of the products which  
7 you ship at the so-called Crow's Nest rates. It  
8 doesn't handle, for instance, flax or rye or the  
9 grain products which would be subsidized under  
10 such an arrangement?

11 A. That is true.

12 Q. Have you given any thought to the  
13 idea as to how the Wheat Board could deal with the  
14 problem when they only handle a proportion of the  
15 traffic?

16 A. In this instance if there were only  
17 a few carriers and a large number of farmers shipping,  
18 then it would have to be paid on a different basis.  
19 It could be paid to the carriers directly. It  
20 makes little difference, except for administration  
21 purposes, who the money is paid to as long as  
22 the purpose of subsidy is defined.

23 Q. And as long as the effect of it  
24 is produced?

25 MR. DRYSDALE: Could you clarify the  
26 amount of the grain that would be under the control  
27 of the Canadian Wheat Board? Would it be 50 per  
28 cent, 75 per cent or 80 per cent?

29 MR. MACDOUGALL: I would hesitate to give  
30 any evidence on that.





1  
2 MR. DRYSDALE: There would be a considerable  
3 difference...

4 MR. MACDOUGALL: Wheat, oats and barley  
5 are under the Wheat Board.

6 MR. DRYSDALE: There would be a considerable  
7 difference in the problem of the subsidy depending  
8 on the amount. If 95 per cent is handled by the  
9 Wheat Board, then the balance of five per cent would  
10 not be too much of a problem.

11 MR. MACDOUGALL: I do not think I can give  
12 you any figures as to the breakdown, but certainly  
13 the amount not under the Wheat Board is quite  
14 substantial when the grain products are taken into  
15 account. I am not sure of the proportion.

16 Q. From the point of view of the trucker  
17 would you know whether they would be prepared  
18 to be put in the same position as the railway in  
19 respect of the handling of grain where the railway  
20 today must provide equipment for the handling of  
21 grain and are required by law to provide equipment  
22 on demand.

23 A. Perhaps if they were given the amount  
24 of land that the railway got at the time -- if that  
25 was taken into consideration, they may be very happy  
26 to.

27 Q. I don't want to get into that.

28 MR. SINCLAIR: That is a suggestion.

29 MR. MACDOUGALL: Q. I am just asking on  
30 this question of regulation again, and I may





1  
2 be going back a little: you suggest they should  
3 be the same, and I say from the point of view of  
4 the railway they must provide equipment today  
5 for any shipper who wants to ship; they must  
6 provide accommodation for his traffic and handle  
7 all types of traffic whether they find it remunerative  
8 or unremunerative.

9 A. On that statement I would not want to  
10 agree. We were informed by Mr. Gordon he was  
11 unwilling to move piggyback trucks in the Maritimes.  
12 and he had no intentions of moving them, and if he  
13 didn't have to move them in Western Canada that  
14 he would no longer move them there either. I  
15 don't think they are in that position.

16 Q. I don't want to get into an argument  
17 with you about that, but you are getting on to an  
18 entirely different question. I will put it to you  
19 this way, that under the law we are required to  
20 provide suitable and adequate accommodation for  
21 the traffic offering. The railway has that obligation.  
22 How it discharges it is another question. But,  
23 the railway has that obligation and you are suggesting  
24 the trucker who should be put in the same position  
25 as the railway, and I am asking you whether the  
26 trucking industry would be satisfied to have such  
27 similar type of regulation which would say to the  
28 trucker, "You must provide accommodation for any  
29 traffic offered, and you must take the good with the  
30 bad. You must allow your truck to be used for storage





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

at the Lakehead, if you are going to carry grain to the Lakehead, until it is unloaded? Do you think they would be satisfied with that?

A. It would depend under what terms and conditions. If we had a \$50,000,000 deficit in doing it and the Government was willing to pick up the cheque, it would be all right.

Q. Well, the Canadian Pacific is not in that position, and they have the same obligation.

A. ~~That provision~~ dates a long way back and the railway was given many concessions for that from which they are still benefitting, and it is something I don't care to enter into an argument on.

Q. You don't venture an opinion as to whether the trucking industry would be prepared to accept all the obligations placed on the rail carriers?

A. Not under that statement. If you want to detail the terms and conditions, then I might.

---Short Recess.





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

THE CHAIRMAN: Order, please.

MR. MACDOUGALL: Q. Just one last question on this matter of the subsidy that you were speaking of.

Do you, by any chance, know of the evidence given before the Commission by the Canadian Manufacturers Association. Mr. Paul appeared here on behalf of the Canadian Manufacturers Association, and it was his view that if truckers handled export grain or were to receive some assistance in the handling of export grain, that they should be under the same obligations as the railway company is under in order that the competition between the two of them would be on the same basis. Were you aware of that?

A. No, I was not.

Q. And I take it that, from your comment to me, that basically you would agree that two elements of transportation competing for the same business should be ~~basically~~ on the same general level in all respects if ~~practically~~ possible?

A. Yes.

Q. You told Mr. Cooper when talking about the railway uneconomical services, either passenger services or branch line -- as I understood it, it was your view that any that were uneconomical to the point that they could not support themselves by the traffic should be eliminated entirely if there was some alternate service to handle the traffic either freight or passenger, as a general





1  
2 proposition?

3 A. That is right.

4 Q. Did I understand you correctly that  
5 where such a case was heard by the Board of  
6 Transport Commissioners, and they were to find that  
7 because of some overriding public interest or  
8 national interest, which would likely stem from  
9 the fact that there was no alternate transportation,  
10 or that it was not satisfactory or suitable that  
11 the service or line should remain, that you would  
12 be in favour of such service remaining, but that  
13 the railway company should be paid for the work  
14 it performs in providing that service in the national  
15 or public interest?

16 A. Yes, but it should be clearly defined  
17 why and on whose behalf they are being paid.

18 Q. So that the public would know  
19 exactly what is being paid and what it is for?

20 A. That is right.

21 Q. Would you agree with me, also, that  
22 if that policy were to be adopted that each of these  
23 subsidized lines or ~~subsidized~~ services should be  
24 reviewed periodically to see whether or not perhaps  
25 the traffic had not been able to pay to the point  
26 where the subsidy could be eliminated?

27 A. I think it should also be considered  
28 whether or not another form of transportation would  
29 be more economical -- even if it did not exist at  
30 the moment, it might be more economical for the railway





1  
2 to replace a branch line with a trucking or bus  
3 service, and if it was more economical, that would  
4 be a natural field for the railway to go into.  
5 And I think that would be one instance to the benefit  
6 of the public to have the railway in trucking  
7 or bus industry.

8 Q. And it might also be a benefit to  
9 the public to have those services performed by  
10 the independent truckers or bus operators who might  
11 be in the area seeking to make a living from the  
12 services they provide in that area?

13 A. Yes, although I think we had already  
14 agreed that this would be an instance where this  
15 other type of competition or service did not  
16 exist, so it would have to be a new service you  
17 are speaking of.

18 Q. Yes. Now, Paragraph 42, Page 10,  
19 you speak of --

20 "The failure of co-ordination and forward  
21 planning is perhaps most obvious in the  
22 case of so-called piggybacking, or joint  
23 rail-truck operation. "

24 And, then, you suggest that certain regulation  
25 be effected to deal with piggybacking. What form  
26 of regulation do you see necessary in connection with  
27 piggyback operations?

28 A. Well, as I say, first of all, I believe  
29 that only licenced carriers should be able to use  
30 the piggybacking services.





1  
2 Secondly, I believe that when changes are  
3 made and advantage of piggyback is taken that  
4 the industry should be assured that there is going  
5 to be a continuity of service at reasonable rates.

6 Q. Yes. Well, now, taking the first one,  
7 as I have told you that is the policy of, at least,  
8 Canadian National -- and I think the Canadian Pacific  
9 as well -- that only licenced carriers are carried,  
10 because it would seem unfair that someone could  
11 just buy a truck with no licence, and move it over  
12 one thousand miles over which he has no right to  
13 go.

14 A. Yes, but this would not only be in  
15 the case of the completely unlicensed carrier, but  
16 I think a private carrier would now be in a position,  
17 to, on that -- certainly there is nothing in any  
18 regulation that would prevent that kind of movement,  
19 that I can see.

20 Q. You would be against the private  
21 carrier having the right to move his traffic by  
22 piggyback?

23 A. Unless he was licenced and had to bear  
24 the same onus under regulations as any other licenced  
25 carrier had to do. I do not object to him simply  
26 because he is a private carrier, but he must bear  
27 his responsibility under the regulation.

28 You see, the fact is that throughout the  
29 years there has not been equal regulations between  
30 the for-hire segment of the trucking industry and





1  
2 the private carrier. I believe that is another  
3 benefit that would come from a federal board.

4 In most provinces, and particularly in the Province  
5 of British Columbia, throughout the years a private  
6 carrier paid a good deal less in licence fees than  
7 did a for-hire carrier. I am not complaining because  
8 of the discrimination between the carriers, but  
9 it also is a discrimination between shippers, because  
10 one person who is big enough to have his own  
11 carrier service is in a preferred position. A  
12 shipper who has to ship with a for-hire -- I do  
13 not see any reason why he should be in a different  
14 position.

15 Q. You do not think the man who wants  
16 to invest his own money in trucks to handle his  
17 own goods should be free to do that?

18 A. I say he should be free to do that,  
19 but he should pay the same licences and meet the  
20 same regulations and controls as the for-hire.

21 Q. He must have to meet these weight  
22 controls, just the same as the for-hire; he cannot  
23 exceed the provincial regulation?

24 A. He has had generally this advantage  
25 throughout the years: he has not paid as much in  
26 licence fees; he does not have to prove public  
27 necessity and convenience, because if he moves  
28 his own goods, he is entitled to move them.

29 I do not know whether that needs to be  
30 changed, but it should have consideration by the





1  
2 Board who assumes responsibility for it.

3 Q. You do not think he is assuming a  
4 proper share of the cost of maintenance of highway  
5 right of way; you think the for-hire carrier is  
6 assuming more of the cost?

7 A. I believe that to be the case. The  
8 situation has changed recently in British Columbia.  
9 They have been brought on a far more equal basis  
10 than throughout the years, but there is not too  
11 much difference at the present time. I believe that  
12 uniform regulation across Canada is required.

13 Q. Piggybacking is basically what might  
14 be called a competitive deal in the transportation  
15 industry today; it is a competitive method of  
16 transport?

17 A. Well, yes, it is competitive between  
18 the -- there, it depends on what it is; there are  
19 so many plans of piggybacking. I don't know what  
20 you have in mind there.

21 Q. It has brought about the competitive  
22 forces in the transportation industry -- the piggy-  
23 back type of operation -- to give a better service,  
24 designed more to meet the needs of the shipping  
25 public, and they like it because of the, particularly,  
26 the service aspects of it. Is that not right?

27 A. That is right, yes.

28 Q. And I was wondering whether you would  
29 not agree with me that since it is basically a  
30 competitive situation, that really needs little or





1  
2 no regulation except for the point you mentioned,  
3 that the carriers who use it should have some  
4 over-the-road licence to go between point A and  
5 point B if they are going piggyback between point  
6 A and point B. You are not suggesting further  
7 restricting the use of the competitive deal?  
8 That is the point I am making.

9 A. Well, it would have to be taken into  
10 consideration. The rates that piggybacks are  
11 moving now is something different from what we  
12 have had in railway rates before, inasmuch as

13 I understand the contents of a trailer are not  
14 taken into consideration as class rates or commodity  
15 rates. There is a mixture of freight in there.  
16 I think that is something that is charged with  
17 the responsibility; something we have to give  
18 consideration to as to what may or may not be the  
19 best.

20 Q. I got the impression from your submission  
21 that you are all in favour of competition; but,  
22 every now and again, there is something here about  
23 regulation and control, because it seems to me  
24 the more regulation and control you have in the  
25 competitive portion of business the greater becomes  
26 the problem of competing?

27 A. Before there can be a proper and fair  
28 competition, there has to be control.

29 Q. Why do you say that?

30 A. Because the railroads are in a position





1  
2 in the piggyback business to have the means of  
3 transporting the piggyback trailers, and obviously  
4 they would be in a strong position to ~~give themselves~~  
5 favourable treatment.

6 Q. You do not put any store by the provisions  
7 of the Railway Act which say we must not discriminate  
8 as between shippers; we must provide suitable  
9 and adequate accommodation for the trucker. It  
10 does not say we are entitled to put our own trucks  
11 on there; we must take them as they come.

12 A. We were told on the Parliamentary  
13 Committee last year by Mr. Gordon that he did not  
14 accept private trucks for shipment for the Maritimes.

15 Q. We are not talking about private  
16 trucks; just leave that out for the moment.

17 A. I am not talking about private trucks.  
18 I am talking about the for-hire segment of the  
19 trucking industry. They are not allowed to ship  
20 their trucks by the Canadian National Railways into  
21 the Maritimes, and I think ~~that is one~~ good example  
22 of why we need regulations.

23 Q. You think the Canadian National should  
24 be forced to take the for-hire trucker into the  
25 Maritimes?

26 A. I am not saying that. I am saying  
27 that we need regulation to determine whether or  
28 not that is the case.

29 Q. Do you agree the regulation should  
30 be designed to protect the shipper of the commodities?





1

2 Is that your view?

3 A. Yes.

4 Q. Do you think the regulation should be  
5 designed particularly for the protection of the  
6 competing carrier?

7 A. No, I do not know, but I think by  
8 having competing carriers in existence we are  
9 protecting the rights of the shipper.

10 Q. Why do you think some regulation is  
11 needed in respect of what trucks are taking piggyback  
12 into the Maritimes from the shipper's point of  
13 view?

14 A. Because I feel where there is a  
15 competing service, and people have made application  
16 to ship a truck by piggyback into the Maritimes  
17 and that has been refused -- obviously there was  
18 a need for that or that application would not have  
19 been made.

20 Q. Can you tell this Commission any  
21 shipper of the goods -- the man actually shipping  
22 the goods in the Maritimes -- who has said he  
23 cannot have his goods moved from the Maritimes,  
24 and he wants to have them moved by piggyback?

25 A. I am sure that the shipper who was  
26 referred to in the Parliamentary Committee last  
27 year was not intending to ship an empty truck.  
28 He had goods to move, or he would not have made  
29 the application.

30 Q. The shipper was a trucker who wanted to





1

2

move a truck?

3

4

A. Yes, and the truck was full of other goods. He was moving goods for a shipper.

5

6

Q. He was a for-hire trucker and he wanted to put his goods on the railways?

7

A. That is right.

8

9

Q. Can you think of any one person who said, "I want my goods to move via for-hire carrier and I cannot move them"?

10

11

A. I can only say there was a strong presumption there was such a shipper; otherwise, the man would not have wanted to move his goods on the railroad.

12

13

14

15

Q. I suggest to you the man was a trucker?

16

17

A. I do not say a trucker should be prevented from doing so. If he was a trucker, he was not in the same position as a shipper.

18

19

Q. Have you any knowledge of any person or industry in the Maritimes that has been prejudiced in any way by the fact there is no plan to piggyback in the Maritimes on Canadian National?

20

21

22

23

A. I believe that he is being prejudiced to the extent that the competition does not exist that should exist.

24

25

26

Q. That is your general view of the situation?

27

28

A. Yes.

29

30

Q. It would not surprise you to know that there have been no shippers -- not one -- that has





1  
2 ever complained to the Canadian National that the  
3 service is not available to him?

4 A. I am telling you the one man changed  
5 his business from the Canadian National Railways  
6 because he was not allowed to ship his trucks.

7 Q. The one man you are speaking of  
8 is a for-hire trucker, a competitor of the railway?

9 A. He was carrying somebody else's  
10 goods.

11 Q. He can carry them on the road, if  
12 he wants to. I am interested in the man who  
13 ships his goods. I want to know whether or not  
14 you know of any Maritime person or industry who  
15 was complaining because he is not getting the  
16 service he wants from the Maritimes on the Canadian  
17 National?

18 A. He is not in a good position to  
19 complain when the C.N.R. does not have the service.

20 Q. You do not know a Maritimer --  
21 whether it is Canadian National or Canadian Pacific --  
22 I put it to you that you do not know of any Maritimer,  
23 person or industry, who has complained that he  
24 is not receiving the service he requires by railway  
25 or by truck?

26 A. I am saying there must be such  
27 person; otherwise the man would not have applied  
28 to move by piggyback.

29 Q. I do not believe we need to discuss  
30 this further. You are equating the person with the





1  
2 trucker who wants to ship his truck. I do not  
3 think he has any place in the discussion.

4 A. I feel quite certain the man would  
5 not be shipping his truck for nothing. He wants  
6 to ship some goods.

7 Q. The Canadian National is not interested  
8 in the trucker; the Canadian National is interested  
9 in the Maritimer, the person or industry.

10 A. You assured me a little while ago  
11 that the railway was obligated to carry everything  
12 that came along on equal and fair terms.

13 Q. I am telling you any person or  
14 industry in the Maritimes who comes along and wants  
15 to ship his goods, that obligation will be met  
16 to the letter of the law --

17 MR. DRYSDALE: Unless he is a trucker.

18 MR. MACDOUGALL: This is the point I  
19 am making with you, Mr. Browne, that you seem to  
20 be arguing for the trucker. You do not seem to  
21 arguing for the person or the industry -- the so-called  
22 shipper in Canada.

23 Your whole argument seems to be directed  
24 to protecting the trucker. I am suggesting if this  
25 Commission did recommend what you are suggesting,  
26 the effect would be to place more restrictions  
27 on the railway and the trucking industry, and  
28 in effect the shipper in Canada will not be as  
29 well served.

30 MR. DRYSDALE: Mr. Chairman, I would suggest





1  
2 Mr. Macdougall is taking an unfair interpretation  
3 of what Mr. Browne has said with regard to the  
4 differential between the shipper and the trucker.

5 THE CHAIRMAN: Let us define the meaning  
6 of the shipper. Who is the shipper?

7 MR. MACDOUGALL: I think, Mr. Chairman,  
8 the point is this: that there has been litigation  
9 to this effect, that the railway in discharging  
10 its obligation under the Railway Act is not obligated  
11 to take the goods of its competitor, but the  
12 goods of the public only. Our position is that  
13 we have no obligation to take the goods of our  
14 competitor.

15 THE CHAIRMAN: I think we have covered  
16 it well enough.

17 MR. DRYSDALE: If the shipper is the  
18 competitor, the CNR is not interested in the  
19 shipper.

20 MR. MACDOUGALL: It is not a question of  
21 Canadian National not being interested in the shipper;  
22 it is a question of the right of the Canadian  
23 National and other railroads in Canada to discharge  
24 its obligation to give service to the public.

25 MR. DRYSDALE: Provided it is for the  
26 benefit of the CNR.

27 MR. MACDOUGALL: Certainly, provided it is  
28 for the benefit of the CNR.

29 MR. DRYSDALE: And regardless whether the  
30 trucker happens to be a shipper; you are not interested





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

in the shipper.

MR. MACDOUGALL: Canadian National, as  
you well know, sir, is competing with the trucker  
-- that is, the trucker is with Canadian National.  
Each is interested in its own position.

MR. DRYSDALE: Mr. Gordon is already on  
record.

MR. MACDOUGALL: I am sure he put it  
correctly, if you read it in.

-

-

-





1  
2 Q. Now, on page 11 you make a statement,  
3 about eight or nine lines down in paragraph 43:

4 "... the federal government may be expected  
5 in the future to take more active interest  
6 in the establishment of common standards of  
7 vehicle regulation, a step which is bound to  
8 bring considerable economies to the operators,  
9 and benefits to the consumers."

10 What do you meant by that statement?

11 A. Well, I believe we have the situation  
12 now with the thing being regulated independently in  
13 other provinces, we have a great weight variation in  
14 one province in Canada but we are still the same in all  
15 the rest. Where the federal government is  
16 contributing rather heavily to the financing of the  
17 Trans-Canada Highway they probably would have  
18 consultation with the provincial governments to try to  
19 establish uniform weights across Canada.

20 Q. I see, you are referring there  
21 particularly to the uniform weights across the whole  
22 of Canada for all highways?

23 A. Yes.

24 Q. You speak on page 13 -- you are talking  
25 here again about agreed charges and competitive rates  
26 and the suggestion in paragraph 50 is that the agreed  
27 charge signed by the railways with the breweries in  
28 western Canada for the haulage of beer had the effect  
29 of putting two highway enterprises out of business.  
30 Do you have any particular information upon which you





1  
2 made that statement, Mr. Browne?

3 A. Yes, as I recall I heard from these  
4 people at the time. I had made a speech in the House  
5 of Commons, I believe, which prompted them to send the  
6 information along to me.

7 Q. You are aware of the fact that the  
8 industry itself approached the railways with respect  
9 to the making of that agreed charge and that the  
10 information which we had was that they were dissatisfied  
11 with the service being provided and they intended to  
12 change it either to trucking the beer themselves or  
13 handling it by rail. If the rail could give them a standard  
14 rate they would go by rail rather than handling themselves.

15 A. I do not know the details but I do know  
16 two people went out of business because of the agreed  
17 charge.

18 Q. My information is that the reason was  
19 because of the dissatisfaction with the service and the  
20 decision of the industry to go to rail on an agreed  
21 charge or their own trucking and as a result of free  
22 negotiations this was the result.

23 A. But my objection to the agreed charge, it  
24 can be signed up to the amount of 100% which means the  
25 situation is unchangeable. If the contract was signed  
26 today to handle goods at a specific rate it may be others  
27 would be in a position to say "we will do it at a lower  
28 rate" but when you sign an agreed charge obligating the  
29 shipper's goods 100% for a year you do away with that  
30 possibility. If they are big firms and cannot be





1  
2 duplicated it means the competition is eliminated for  
3 some time to come.

4 Q. You think that is a bad thing, do you?  
5 You think it is a bad thing to have negotiations between  
6 the two parties, a railway and a industry regarding  
7 handling of their traffic and if the two are to come  
8 mutually to an agreement to handle their traffic in a  
9 certain way, because it would affect some other carrier,  
10 you think that is a bad thing.

11 A. No, I think it is a bad thing for this  
12 reason; it ties up the traffic 100% and in a good many  
13 instances it does away with competition and that  
14 competition cannot be easily duplicated and there would  
15 be nothing to prevent the rates going up at that time.  
16 Secondly, as I say, it prevents any further competition  
17 in the field because if though the competing carrier  
18 was able to go back and offer a still lower rate the  
19 shipper would not be in a position to accept this because  
20 he is now bound to ship by rail.

21 Q. In presuming the facts I have given you  
22 are correct, and I think they are, would it not be fair  
23 to say if the shipper was dissatisfied with the shipments  
24 over the one year he would do what he told us he would  
25 do, truck his own beer. Do you see any disadvantage  
26 by the fact he has tied up a part of his business with  
27 the railway for a year.

28 A. It may be true in some instances but  
29 certainly not in all. All shippers when shipping under  
30 agreed charges would not be willing or able to put in a





1  
2 trucking operation.

3 Q. But you are aware the agreed charge --  
4 each agreed charge is a matter of negotiation between  
5 the industry and the carrier.

6 A. Yes, but it ties up the business for at  
7 least a year and it eliminates competition which was  
8 very effective so they would not be able to have a lower  
9 rate and at the end of a year it is most unlikely that  
10 that competition would exist and, therefore, the  
11 railroad would perhaps be in a position to set whatever  
12 rate they wanted.

13 Q. Most of the larger truckers in Canada  
14 have been in business much longer than a year; some of  
15 them have been in business for twenty years or more.

16 A. That is true but some specialized types  
17 of hauling equipment has not so many uses and even if  
18 a carrier is in business for a few years and the carrier  
19 may remain in business, it means he must be able to  
20 keep that specialized type of equipment to have it  
21 available for dealing if the business was open for  
22 soliciting once again.

23 Q. There is nothing to prevent him, the  
24 highway carrier, from having an agreed charge or an  
25 agreed contract rate with a shipper if he wants to  
26 negotiate one.

27 A. I would not want to make that statement.  
28 I do not know whether a carrier would be in controvention  
29 of the Combines Act. I am not in a position to state  
30 that but the railways are able to do that by virtue of





1  
2 the Transportation Act. However, the Transport Act  
3 does not apply to the trucking industry, the agreed  
4 charge is nowhere defined in any trucking legislation  
5 but I think there is a good possibility that they could  
6 be charged under the Combines Act if they were to go  
7 into a field of that nature. There are no such contracts  
8 that exist, to my knowledge.

9 Q. You never heard of a contract between a  
10 trucker and a shipper to carry goods by truck?

11 A. Under an agreed charge.

12 Q. Well, a contract rate, that is all an  
13 agreed charge is, whether you will handle or not  
14 handle a portion of the traffic moved, 40% or 100% or  
15 10%?

16 A. Obliging the shipper to ship 100% by  
17 truck.

18 Q. The agreed charge is 90% and you do not  
19 know of any contract in your part of the country ---

20 A. I am not in the position to say. I  
21 know my own firm has no such contracts, I do not know  
22 of any that are signed where a shipper would be obliged  
23 to ship 100% of his goods by certain trucking company.

24 Q. I suggest to you there are many contracts  
25 of that type in Canada generally known as contract rates  
26 to move perhaps 50% or 80% or 90% of the traffic,  
27 whatever they agree on.

28 A. I do not know of any specific instances.  
29 Perhaps you could tell me of one specifically.

30 Q. I cannot tell you of one at the moment





1  
2 but it is general knowledge in the industry. Speaking  
3 for the moment on the stability of piggyback rates  
4 which you spoke of on page 14, section 53(1) of the  
5 Act, I would ask you whether you are aware of the  
6 obligation that I have spoken of earlier on the railway  
7 company to provide accommodation for handling this type  
8 of traffic. Having gone into the piggybacking  
9 arrangement, it is your suggestion that the railway  
10 company could just back out of the piggybacking  
11 arrangements and leave the truckers high and dry.  
12 Is that your first point?

13 A. Yes.

14 Q. I suggest to you that the Railway Act,  
15 section 315, does provide the stabilities that you  
16 require.

17 MR. DRYSDALE: What section is that?

18 MR. MACDOUGALL: Section 315. This requires  
19 that facilities be given for traffic and since this  
20 piggyback traffic is being handled one way we have the  
21 obligation to provide the equipment and we are subject  
22 to complaint if we stop it. In any event, the carrier  
23 has an ability to handle it by the alternative road  
24 or highway.

25 A. Yes, that is true.

26 COMMISSIONER MANN: This is a case where the  
27 trucker would be a shipper again?

28 MR. MACDOUGALL: That is right.

29 MR. DRYSDALE: No obligation then.

30 MR. MACDOUGALL: Q. Putting on the railway





1  
2 all the obligations that he has upon him at law to  
3 get the goods once he has offered himself to carry that  
4 type of thing. Just one word on page 15 where you are  
5 speaking again of this problem of monopoly which you  
6 express as being a very real threat in respect to the  
7 acquisition of trucking companies by railways. Are you  
8 aware of the evidence given by the witness for the  
9 province of Alberta, Dr. Hu Harries to the effect that  
10 while a few years ago he would have had some worries  
11 about the railways acquiring trucking interests that  
12 they might create an monopoly, today he could see no  
13 harm in it and no possible likelihood of there being any  
14 recreation of real monopoly. Did you, by any chance,  
15 hear all his evidence?

16 A. No, I did not.

17 Q. And also that of George Paul of the  
18 Canadian Manufactures Association and he gave testimony  
19 to that effect generally, that he did not fear monopoly  
20 by the railways getting into the trucking industry  
21 generally because of the facility with which truckers  
22 can go into operation and get out of operation, the  
23 existence of the highways and so on in Canada.

24 A. I dispute that statement that it is easy  
25 to get in and out of the trucking industry because of  
26 the higher capital investment that statement is no  
27 longer true.

28 MR. DRYSDALE: Mr. Chairman, I do not want  
29 to interrupt but I think in this line of questioning  
30 the proper way to do it is to read the passage that is





1  
2 referred to by Mr. Paul rather than have Mr.  
3 Macdougall's interpretation of it and ask Mr. Browne  
4 if he agrees or disagrees.

5 THE CHAIRMAN: Well, Mr. Browne does not  
6 agree.

7 MR. MACDOUGALL: I saw all those transcripts  
8 and I thought ---

9 MR. DRYSDALE: You did not make any reference  
10 to where it was.

11 MR. MACDOUGALL: I thought that he had been  
12 through them and knew where it was. I am not trying  
13 to trap the witness in any way and I hope in putting a  
14 question if I misinterpret the evidence the Commission  
15 will correct me.

16 MR. DRYSDALE: There is no reflection on Mr.  
17 Macdougall, I am sure he is giving a fair interpretation  
18 but the difficulty is to have the witness' interpretation  
19 of what the situation is and on top of that we have Mr.  
20 Macdougall's interpretation in asking Mr. Browne if  
21 he ---

22 THE CHAIRMAN: Well, he has not read Mr.  
23 Paul's evidence.

24 MR. MACDOUGALL: In any event, he says he  
25 does not agree with that proposition. I think that is  
26 all, thank you.

27  
28 CROSS-EXAMINATION BY MR. FRAWLEY:  
29

30 Q. Mr. Chairman, I just came in and I have





1  
2 just a very few questions. Mr. Browne, I want to say  
3 first that I compliment you on this brief because certainly  
4 I think the position of the independent trucker should  
5 be stated to this Commission. I think this is a good  
6 complement to the brief presented some months ago by  
7 the Canadian Truckers Association. I do not mean by  
8 that that this is in any sense secondary to that brief  
9 but I feel you are to be complimented on presenting the  
10 point of view of the independent trucker. I just hope  
11 you do not have too many constitutional difficulties  
12 in your way. And now, just for clarification I would  
13 like to ask you -- Mr. Brazier suggests that I tell you  
14 who I represent but I think you know that I represent  
15 the province of Alberta. Mr. Browne, at the top of page  
16 4 you say there:

17 "The application of this principle requires  
18 national control over the acquisition of  
19 transportation firms by firms established in  
20 other transportation industries ---"

21 Is that not the subject matter approximately  
22 of Mr. Chown's bill ?

23 A. Yes, I pointed out to the Commission  
24 earlier that I had seconded a bill which we drafted last  
25 year primarily for the purpose of bringing up discussion  
26 on that subject. We did not intend it to be a final  
27 document on the subject but to bring it to the public  
28 attention.

29 Q. And the last phrase in the same paragraph:  
30 "... and also the right of one transportation





1  
2 industry to intervene in cases where the  
3 rates established by its competitor may lead  
4 to elimination or weakening of the  
5 competition."

6 That is pretty much the subject matter of your  
7 own bill that was introduced last session?

8 A. Yes. The two bills have now been  
9 introduced before the Commission this morning.

10 Q. They are on the order paper, I suppose?

11 A. That is right.

12 Q. And if you wish to inform the Commission  
13 otherwise you may refrain, but is there any  
14 intention of re-introducing these bills again this  
15 session?

16 A. These bills have been introduced at  
17 the session but I do not know at what stage of the  
18 session they will be introduced or whether I would  
19 proceed with them. My feeling was, in my submission  
20 to the Commission this morning, that had they been  
21 arrived at last session it was not my intention to  
22 proceed with them without at least presenting my views  
23 to this Royal Commission.

24 Q. On page 6, paragraph 23, you say:

25 "For example, the increase in the importance  
26 of Lakehead as the St. Lawrence port must be  
27 matched with the establishment of satisfactory  
28 loading and unloading facilities for trucks  
29 ---"

30 My understand is that there is a great deal





1  
2 of progress made already in that respect at the Lakehead,  
3 that the new terminal will have facilities for loading  
4 and unloading of trucks.

5 A. Well, I had heard a number of complaints  
6 made that there was not going to be facilities there  
7 and that is the last information I have.

8 Q. I must say my information was to the  
9 contrary, that Mr. McGee of CTA, I think he was not the  
10 only one who gave me that but they are actually, in the  
11 construction of that terminal, designing it so there  
12 will be facilities for the trucks. I do want to call  
13 attention to what you say in paragraph 35 on page 9  
14 where you say:

15 "...there is no better, and in the long run,  
16 no cheaper, solution to the problem of high  
17 rates, and/or inadequate service, than  
18 competition."

19 I just want you to keep that in mind as I  
20 go through. Towards the end of the brief I want to  
21 call something else to your attention and if you will  
22 now turn to page 11 where you are talking about what  
23 you call the regulation relating to Sunday operation,  
24 that is the Lord's Day Act?

25 A. Yes.

26 Q. And I am wondering if you are aware  
27 that in Alberta recently there was a decision which I  
28 must say was favourable to the truckers which set  
29 aside a conviction of a trucker for operation on a  
30 Sunday. Are you aware of that?





1  
2           A.    Yes, I do not have the details of it  
3 but I do recall seeing that in the newspapers. I  
4 think perhaps I had written this brief before that but  
5 I think the situation still needs to be clarified and  
6 some board empowered to make decisions on that kind of  
7 thing which need to be instituted.

8           Q.    Well, probably in the interest of  
9 saving the introduction of a board as long as I can,  
10 I would like to call your attention to the fact that  
11 the Lord's Day Act is there and I do not think the  
12 truckers should have any difficulty in carrying on  
13 the service on Sunday just as the great big brother  
14 carries on on the rails and with that principle I agree.

15          A.    I do know the Act has been interpreted in  
16 that way and many people have been charged with  
17 operating on Sunday. My understanding of the way the  
18 Act has been applied throughout the years is unless it  
19 is a perishable commodity it cannot be transported over  
20 the highways on Sunday. That has been the interpretation  
21 that has been placed on the Act throughout the years.

22          Q.    Well, let us assume that is quite right,  
23 I was only pointing out the Alberta decision which may  
24 not have gone very far. I do not want to press it any  
25 further than I should press but I do suggest to you  
26 that the place to take care of your complaint is by  
27 an appropriate amendment to the Lord's Day Act. Would  
28 that not take care of it to place the long haul trucker  
29 or any sized trucker on a par with the rail carrier?  
30





1  
2 A. Well, my opinion is that the whole of the  
3 trucking industry needs to be brought under federal  
4 control and it could be dealt with by a regulatory  
5 board -- whatever board they are placed under.

6 Q. I suggest to you that the Sunday aspect  
7 does not need to have a great big federal motor carrier  
8 board set-up just to look after the Sunday side?

9 A. No, I am not suggesting that, but I think  
10 it is one of the things the Board could deal with.

11 COMMISSIONER BALCH: Mr. Frawley, you are not  
12 saying there is any comparison between the railways and  
13 trucks operating on a Sunday? Would you have a  
14 comparison -- I mean for the travelling public?

15 MR. FRAWLEY: You mean the individual --  
16 the personal passenger?

17 COMMISSIONER BALCH: Yes, that is right.

18 MR. FRAWLEY: Well, no; I am just speaking  
19 from memory, but I think the inter-provincial and  
20 international busses operate on Sunday just like the  
21 trains.

22 COMMISSIONER BALCH: That is right, but if you  
23 are going to attempt to throw the highways wide open,  
24 which will eventually come to that if they get legislation,  
25 you will have these highways loaded with trucks so the  
26 ordinary Joe with a car will not get the opportunity to  
27 go out on a Sunday. You are not backing up this member  
28 of parliament from Ontario who said, about two years  
29 ago, that if the trucks got in the way let the fellow  
30 get off the highway?





1  
2 MR. FRAWLEY: Well, if I recall, he was more  
3 than a member of parliament of Ontario. But, I will say  
4 no more than that. He did not like the idea of a big  
5 truck coming down the highway and running at him on a  
6 Sunday afternoon, but I do not suppose it is any more  
7 unpleasant on a Sunday than on a Tuesday.

8 MR. SINCLAIR: Except that people are at  
9 work on a Tuesday.

10 COMMISSIONER BALCH: That is right. Another  
11 thing, do you agree with the interpretation of the  
12 judge handing down the decision in Alberta?

13 MR. FRAWLEY: I do not know that he was a  
14 judge. He was a police magistrate in Medicine Hat.

15 COMMISSIONER BALCH: I guess he was.

16 MR. FRAWLEY: I think it is well to identify  
17 these things.

18 Q. Now, on page 13 you are referring to  
19 the consequences of that agreed charge made between  
20 the breweries and the railways, and you refer to two  
21 trucking firms, Breweries Transport Limited and  
22 Northern Brewery Transport Limited. Do you know where  
23 those two concerns operated?

24 A. I have the information at my office.  
25 I do not have it available with me at the moment.

26 Q. I just wondered if you knew the names  
27 of the for hire truckers in Alberta who were put out  
28 of business through the making of that agreed charge:  
29 do you know?

30 A. No, but I expect it has great





1  
2       repercussions all through western Canada in that regard.

3               Q.     Yes. It is quite true, of course, as Mr.  
4       Macdougall pointed out, that a good deal of the beer  
5       was being carried out of the breweries and to the  
6       warehouses by the trucking subsidiary of the brewing  
7       company; you are aware of that?

8               A.     I was not aware of that.

9               Q.     But it is true, as I understand, that  
10       some for hire truckers also engaged in the carriage  
11       of beer, and of course that was put an end to by the  
12       100% agreed charge?

13              MR. MACDOUGALL: 90%.

14              MR. FRAWLEY: Q. Well then, 10% was left --  
15       that would be the small beer, I suppose. Mr. Browne,  
16       I am interested in what you say on page 13 where you  
17       are urging that a way of dealing with the problem is  
18       to simplify the appeal procedure with respect to  
19       agreed charges, and I am wondering -- because you agree  
20       that the present appeal procedure is pretty unsatisfactory?

21              A.     Yes, in my opinion it is unsatisfactory.

22              Q.     Yes, and for what it is worth, in my  
23       opinion too. Now, Mr. Browne, have you given  
24       consideration to the merit of returning to the former  
25       procedure which would require the Board to first approve  
26       these agreed charges before they came into effect?  
27       Would that not be even better than simplifying the  
28       appeal procedure?

29              A.     No, I do not believe so because I do  
30       not think the intention is to prohibit the railways





1  
2 or to delay them in going ahead. If it is a proper  
3 charge I think it should be able to put it into effect.  
4 I think it will be a matter of opinion, and I do not  
5 think the railways should be stopped for a matter of  
6 months so that a shipper would be delayed from getting  
7 the benefits if it is a legitimate one. But, I do  
8 think if it is not a proper rate there should be appeal  
9 procedure provided.

10 Q. Well, the effect of the appeal would be  
11 to set aside the agreed charge?

12 MR. MACDOUGALL: Not necessarily.

13 MR. FRAWLEY: Q. That would be the objective  
14 of the appellant?

15 A. Yes, but it would not prevent the  
16 shipper from taking advantage of the rate if it were  
17 a legitimate one.

18 Q. You would be satisfied with the ordinary  
19 appeal under the Railway Act rather than a return to  
20 the prior practice of requiring the approval first to  
21 be granted by the Board?

22 A. Well, I have stated that I feel the  
23 Board has to give more consideration as to whether  
24 rates are compensatory, to defining what compensatory  
25 rates are, and to defining a proper rate. There have  
26 been very few occasions where the Board has questioned  
27 the railway as to producing any figures, and I believe  
28 more consideration needs to be given to that aspect  
29 of it, but at the same time I do not feel the shipper  
30 should be delayed from getting the benefit of a lower





1  
2 rate.

3 Q. You think there would be delay in  
4 requiring prior approval by the Board, and you do not  
5 like that, but you would like the procedure simplified  
6 whereby you could get the Governor in Council, or  
7 some other body, to upset it later?

8 A. Yes, I think the appeal procedure at  
9 the present time is practically non-existent. There has  
10 been no appeal every prosecuted under that clause, and  
11 I believe it would be not too much easier, but it would  
12 be better than allowing an appeal to the Minister.

13 Q. You say there was no sucessful appeal  
14 -- there were attempts?

15 A. I was not aware of the fact any had been  
16 made.

17 Q. Oh yes. If my friend Mr. Sinclair will  
18 allow me to give evidence, I tried the procedure and  
19 I agree with you that it was pretty inadequate.

20 Mr. Browne, on page 14, in talking about  
21 piggyback service, I would like to clear up something  
22 that has me completely confused. You say in the  
23 second sentence of paragraph 2:

24 "If this condition is not met -- and it is  
25 possible that it can be met only through  
26 legislative changes -- then uncontrolled  
27 and ocasionaly unreliable non-licenced  
28 operators or private carriers ...", and so on.

29 "Private carriers" I understand. "Unreliable  
30 non-licenced operators" I do not understand. How can





1  
2 there be such a thing as a non-licenced operator?

3 A. My understand is that there would be  
4 nothing to prevent anybody from putting the truck on  
5 the railway in Vancouver, assuming the railways would  
6 accept it, and taking it to some other point in Canada.  
7 He is not travelling over the highway and he would not  
8 need to be a licenced operator. There is no legislation  
9 I can see that would require him to be licenced.

10 Q. "Unreliable", I do not know what you  
11 mean by that, but we will let that go. But,  
12 "non-licenced" -- you cannot take your truck out and  
13 travel ten feet without a licence?

14 A. He would not have a highway licence.  
15 He might be licenced in the city of Vancouver and in  
16 the city of Calgary, and it go and operate in both  
17 of those cities and have the effect of an inter-  
18 provincial carrier without being licenced.

19 Q. That is exactly right. In other words,  
20 take Dench of Canada operating from western Canada and  
21 owned by the Canadian Pacific Railway Company: they are  
22 now carrying on quite a large business.

23 A. I believe so.

24 Q. And they can move these trailers from  
25 Calgary to Edmonton without a licence from the Department  
26 of Highways at all.

27 A. In so far as I know, there is no  
28 regulation about that.

29 Q. That is right. They move the goods from  
30 the warehouse in Edmonton to the ramp at the team tracks,





1  
2 or whatever it may be, and put that trailer that has  
3 a city of Edmonton licence on it and take it down to  
4 Calgary and obtain -- and, of course, they would have  
5 to have licences in both cities -- and take it off the  
6 ramp and deliver that right at the destination in  
7 Calgary, and without any highway licence at all. You  
8 understand that can be done?

9 A. That is my understanding of the present  
10 situation.

11 Q. There is only one other matter I want  
12 to ask you about, and that is at the bottom of page  
13 16 where you say:

14 "The basic principle, from which all the  
15 recommendations follow, is the belief that  
16 the best, most impartial, and most efficient  
17 regulator in transportation, like in any form  
18 of economic activity, is competition."

19 It was because of that I called your attention  
20 to something you had said very much like that in  
21 paragraph 35; holding to that view, as you do, Mr.  
22 Browne, I take it that you do not favour this business  
23 that is sometimes called the regulation of entering  
24 into the trucking business?

25 A. Do you mean there should be no  
26 restrictions whatsoever -- that anybody would be  
27 allowed to go into the trucking industry? I believe  
28 every operator has to be licenced and meet certain  
29 conditions.

30 Q. He has to have a licence plate and obey





1  
2 the weight instructions, and he has to see he has a  
3 proper insurance for his financial integrity, but he  
4 does not have to have any franchise to enter the  
5 business, as it were -- that is what I call it, and  
6 some people call it the regulation of entry. I take  
7 it you would agree your commendation of competition  
8 as the best, most impartial and most efficient  
9 regulator means that you do not favour these  
10 regulations which require the trucker to become  
11 franchised?

12 A. No, I would not say that would  
13 necessarily follow.

14 Q. If competition is the best and most  
15 impartial and most efficient, how can it be improved  
16 upon by having something that says he has first to go  
17 to some little highway traffic board and get a licence?

18 A. Because a shipper has to be protected  
19 to the extent he should be assured of continued service,  
20 among other things and therefore we do not want people  
21 going in today and out tomorrow, and there has to be  
22 some assurance there is business there and that there  
23 is some necessity for his service.

24 Q. I will only ask you one more question,  
25 Mr. Browne; have you heard of any shipper in Alberta,  
26 big, medium or small, who has complained about the  
27 continuity of his shipments in that province?

28 A. I am not aware of any.

29 Q. We have not got any regulation in that  
30 province. Thank you very much.





1

2

MR. SINCLAIR: I have no questions, Mr.

3

Chairman, in view of the questions put by Commission

4

counsel and my friend Mr. Macdougall.

5

6

BY COMMISSIONER BALCH:

7

8

Q. I just have one question, and that

9

concerns the Lord's Day Act which Mr. Frawley was

10

discussing with you. You do not say it here you are

11

in favour of repealing the Act. It just looks to me

12

like a statement. Do you think the restrictions should

13

be taken off -- speaking from the public side of it

14

and not the railway's point of view?

15

A. It does seem to me this is something that

16

would add to freight rates by making it more difficult

17

to operate. It is something I am pointing out as

18

another of those things that need consideration, and

19

it would have to be decided which is more in the public

20

interest, whether helping to reduce freight rates or

21

helping to reduce traffic on Sunday -- whether that

22

would be in the public interest. I am in a position

23

to know what is being added to the cost of

24

transportation by the fact they cannot operate on

25

Sunday and I think the Board would have to consider

26

what handicap that is and whether or not it would be

27

more, as I say, in the public interest to have that

28

changed or whether it is not a serious handicap.

29

Q. Would you know, although there are

30

restrictions at the present time for perishable goods





1  
2 and so forth, that that is not being strictly adhered  
3 to across the country?

4 A. I understand it is only where an  
5 information is laid by somebody that firms are prosecuted,  
6 but nevertheless, they are subject to the control of it,  
7 and I think in most instances the companies refrain from  
8 operating on a Sunday so they do not come in conflict  
9 with that Act. I do not think anybody should be in the  
10 position of having to violate the law to operate his  
11 business. He should either be operating or not, and the  
12 law should be clear.

13 Q. Can you visualize what the highway would  
14 be like on a Sunday if they had the restrictions fully  
15 lifted -- with the deaths we have at the present time --  
16 what it would be like if it were like week days?

17 A. Well, trucks are no involved in accidents  
18 as much as cars. The drivers are experienced and very  
19 safety conscious on the highways and I do not think  
20 they add that much danger to it.

21 Q. No, I do not think the truckers themselves,  
22 but the congested highways.

23 A. It may be they should be restricted to  
24 certain hours. Sunday takes in 24 hours, and there  
25 is no reason I can see why they should not be able to  
26 travel on Sunday night. It is the practice of truckers  
27 to operate at night on the highways, and there may be  
28 some halfway measure there.

29 Q. They cannot start at midnight on Sunday  
30 -- or is it midnight?





1  
2 A. Yes, I think they can start after  
3 midnight.

4  
5 BY COMMISSIONER MANN:

6  
7  
8 Q. Most of the questions I had in mind has  
9 been asked by counsel, but I do have one. You advocate  
10 on the whole that the federal government should plan  
11 transportation investments -- that is your representation?

12 A. Yes, sir.

13 Q. And the purpose of that is so that  
14 there will be no unnecessary expenditure of public  
15 money?

16 A. That is right.

17 Q. When you had your discussion with Mr.  
18 Cooper you dealt with this point at page 9 in paragraph  
19 34 and I just want to draw your attention to this:

20 "If the disadvantages of the areas of  
21 Canada which are located far from their  
22 markets or supply sources are to be  
23 diminished, the way to do it is through an  
24 aggressive and planned program of cost  
25 cutting investments, since by this method  
26 the source of the problem -- high costs of  
27 production or distribution -- is attacked and  
28 not its manifestations."

29 What kind of investments by the federal  
30 government do you have in mind would cut costs of  
distribution?





1  
2 A. Well, as I said, I think in many  
3 instances goods could be manufactured in the area  
4 rather than be brought in in the first place and I  
5 think in some instance it may be that a highway would  
6 cut the costs compared to what we have at the present  
7 time.

8 Q. . And if the state built such a highway  
9 it would upset the competitive balance, would it not  
10 between various carriers?

11 A. It might do, yes.

12 Q. So therefore it would have to look  
13 very carefully in its construction of highways to the  
14 effect such highways have on competitive agencies of  
15 transportation?

16 A. That is true.

17 Q. In your federal investment planning  
18 do you see any need for extremely close cooperation  
19 between the federal investment planning body and the  
20 provincial authorities, particular with respect to  
21 highway construction?

22 A. Yes, I would think that would naturally  
23 follow, and that there is a good deal of cooperation  
24 now when we have a cost sharing arrangement on the  
25 Trans-Canada Highway.

26 Q. Under such cooperation the federal  
27 investment planning board might very well find its  
28 planning efforts frustrated?

29 A. Yes, that is true.  
30





1  
2 MR. DRYSDALE: Mr. Chairman, there was  
3 no re-examination, but I would like to make a state-  
4 ment from the point of view of clarification .

5 I should state, first of all, Mr. Chairman,  
6 in raising this particular problem that I am  
7 sorry to have to do it now in the form that I do  
8 it. I should, by way of explanation, state that  
9 I was not retained by Mr. Browne until in the early  
10 part of last week and Saturday was the first  
11 opportunity I had to go over the material in the  
12 transcript and again this morning shortly before  
13 nine o'clock. was the first opportunity I had  
14 to discuss this particular matter with Mr. Browne.  
15 I am referring specifically to the point raised  
16 by Mr. Sinclair at Page 10,750 in the transcript  
17 on May 2nd, 1960, volume 60. At this particular  
18 time he took objection to the fact that Canadian  
19 Trucking Association was going to introduce a  
20 new Highway Transport Act and he stated:

21 "So therefore at this time I rise to  
22 object to the Commission that in  
23 proposing to introduce evidence and  
24 documentation, including a new highway  
25 transport act, the Canadian Trucking  
26 Associations are asking this Commission  
27 to exceed its jurisdiction, which is severely  
28 limited by this order in council. This  
29 order in council does not vest in this  
30 Commission, in my submission, respectfully,





1  
2 jurisdiction to inquire into transportation  
3 in Canada; it restricts it to an inquiry  
4 into railway transportation in Canada and  
5 matters relating thereto. "

6 These were words of Mr. Sinclair, and in  
7 fact he goes on at Page 10,751, and I am taking  
8 this in the middle of the paragraph. If the  
9 material which goes before is relevant; if I am  
10 being unfair to Mr. Sinclair, I would ask him to  
11 raise it.

12 At Page 10,751:

13 "Indeed, although they are here as  
14 Canadian Trucking Associations, their proposed  
15 legislation covers the bus legislation,  
16 and surely their name shows that they are not  
17 speaking on behalf of the bus operators,  
18 and the bus operators, naturally, expect  
19 not to be here, and in my respectful  
20 submission their jurisdiction does not  
21 extend to air transportation in Canada or  
22 to pipeline transportation in Canada; it  
23 does not affect all aspects of transportation."

24 Then, Mr. Chairman, further along in commenting on  
25 the effect of the Commission appointed by P.C.  
26 6033 the Chairman said:

27 "Mr. Sinclair, I haven't a copy of the  
28 order before me. We, of course, reserve our final  
29 ruling on the matter, but I can say that the  
30 submission somewhat surprises me, as I felt we had





1  
2 pretty wide scope in our inquiry in the matter of  
3 transportation and that we would require generally  
4 to deal with transportation policy as a Canadian  
5 matter. However, we will reserve --"

6 And then, of course, Mr. Hume replied to  
7 that particular statement.

8 Then, there was a ruling made by the Commission  
9 which I will refer to. This is in Volume 61,  
10 May 3, 1960, Page 10,918 and Mr. Cooper is speaking:

11 "The Commission has considered the  
12 objection made yesterday by Mr. Sinclair  
13 and supported by Mr. McDonald to the  
14 admissibility of certain evidence, including  
15 a proposed highway transport act of Canada,  
16 contained in the submission of the Canadian  
17 Trucking Associations.

18 The Commission has decided that the  
19 evidence objected to, including the  
20 proposed highway transport act of Canada,  
21 is relevant to this inquiry and is therefore  
22 admissible. The Commission so rules."

23 The point that I wish to raise, Mr. Chairman --  
24 and I do so in order to have this matter on the  
25 record because I think it is fairly important,  
26 and I do so with no reflection on Mr. Sinclair --  
27 (I might say that at noon time I advised Mr. Cooper  
28 that I was proposing to raise this particular point  
29 and I was able also to mention it to Mr. McDonald  
30 and Mr. Macdougall. Mr. Sinclair was not present at





1  
2 the time, and in fact I have not met Mr. Sinclair,  
3 but I understand he is the gentleman in the blue suit  
4 at the far end.) -- I raise this point only in the  
5 event that ~~objection be taken that~~ no  
6 notice was presented of my intending to raise this  
7 particular matter.

8 However, there is a precedent because Mr.  
9 Sinclair, reading the transcript, apparently did  
10 not notify Mr. Hume.

11 THE CHAIRMAN: What is your point?

12 MR. DRYSDALE: The point that I wish to  
13 clarify, first of all, Mr. Chairman, is as to  
14 what capacity Mr. Sinclair is appearing in the  
15 present hearing. For that, I would refer to the  
16 first volume where the hearings were held at Ottawa  
17 September 17 and 18, 1959, and I should point out  
18 that when counsel were identifying themselves and  
19 advising the Commission as to who they were representing  
20 Mr. Sinclair, at Page 7, said:

21 "Mr. Chairman, members of the Commission,  
22 my name is Ian Sinclair. Associated with  
23 me is Mr. Wright, and we have the honour  
24 of appearing before you on behalf of  
25 Canadian Pacific."

26 There is no indication in the transcript; it is  
27 perhaps a very narrow technical interpretation,  
28 but referring to the way that Mr. Sinclair has  
29 perhaps represented himself it is, of course,  
30 probably obvious that he is representing the Canadian





1  
2 Pacific Railway. But in the 1959 Annual Report,  
3 under the list of companies that are controlled,  
4 or investments, or controlled companies -- and this  
5 is Page 27 of the 1959 Annual Report -- among  
6 those listed is Canadian Pacific Airlines Limited,  
7 which is a controlled company; another one is  
8 Smith Transport Limited, which is a company owned  
9 by the C.P.R. in the trucking business; and,  
10 also, Smithson's Holding Limited.

11 Mr. Chairman, there has been no appearance  
12 by any of the airline companies, either CPA or  
13 TCA, and I would suggest the situation is analagous  
14 as far as TCA is concerned, because in their  
15 Annual Report --

16 THE CHAIRMAN: Well, I think that we  
17 understood Mr. Sinclair is acting for all subsidiaries  
18 or controlled companies, and Mr. McDonald likewise.

19 MR. SINCLAIR: No, sir. I must make  
20 clear that insofar as Canadian Pacific Airlines  
21 are concerned, and insofar as Smith Transport  
22 are concerned, I have no instructions from them.

23 I am representing the Canadian Pacific  
24 Railway Company in respect of its operations.

25 Insofar as this other thing, I assure my  
26 friend he has not taken me by surprise at all,  
27 and even if he had it is a very easy matter to  
28 answer because I happen to know something about  
29 the three companies which he mentioned. He  
30 mentioned three: Canadian Pacific Airlines,





1  
2 Smith Transport and Smithson's Holding. I happen  
3 to know something about those companies, and they  
4 have instructed no counsel to appear in front of  
5 this Commission to raise matters that would affect  
6 railway transportation or matters relating thereto.

7 MR. DRYSDALE: Mr. Chairman, I thank  
8 Mr. Sinclair for the information. Mr. Sinclair,  
9 as well as being the Vice-President and general  
10 counsel of the Canadian Pacific, is, I understand,  
11 a director of the Canadian Pacific Airlines.

12 MR. SINCLAIR: And the other two companies  
13 that you mentioned.

14 MR. DRYSDALE: The point that particularly  
15 interests me, Mr. Chairman, is the fact that the  
16 information seems to be coming predominantly from  
17 the railway aspect of the companies, and the  
18 indication on the point of jurisdiction raised by  
19 Mr. Sinclair would also, it would appear to me,  
20 permit the airline companies to come forward to  
21 perhaps supplement the points raised by both the  
22 CPR and CNR as to the loss of passenger traffic  
23 and, I think, also as to a considerable loss of what  
24 you might describe as l.c.l. traffic. I think,  
25 frankly, for the Commission to make a sensible  
26 recommendation that it should be, perhaps, in  
27 some form before the Commission -- whether it is  
28 merely filed as a brief, and Mr. Sinclair instruct  
29 the CPA to ask him to file a brief, or whatever  
30 the procedure is, with relation to the subsidiary





1  
2 companies, so that information would be before the  
3 Commission. I would submit at the present time  
4 that all we have is the Canadian National and the  
5 Canadian Pacific raising these particular problems  
6 which they have done, and I could give the references  
7 but I think the Commission is well aware of  
8 the problems with reference to the decline in  
9 passenger.

10  
11  
12  
13 -  
14  
15  
16  
17  
18  
19  
20 -  
21  
22  
23  
24  
25  
26 -  
27  
28  
29  
30





1  
2 I think it is important to find out as to what the TCA  
3 and CPA are going to do in the future. For instance, in  
4 the last past week I see where TCA have cut their  
5 Vancouver to Montreal rates by 25% and are going to  
6 increase some of the short run hops, for instance, from  
7 Montreal to Ottawa on the basis that the majority of  
8 costs are in take-off and landing. I ascertained on a  
9 very fast perusal of the transcript that this type of  
10 first hand information is not available and I thought if  
11 it was not going to be made available it should be clearly  
12 on the record that Mr. Sinclair -- there is no reflection  
13 on Mr. Sinclair ---

14 MR. SINCLAIR: I am not sensitive.

15 MR. DRYSDALE: But if he is just representing  
16 the Canadian Pacific Railway as a railway and trying to  
17 get the increase in rates for the railway and in a sense  
18 pushing into the background Smith Transport and also CPA  
19 I think that point should be quite clear and the  
20 Commission should, in making an assessment, consider  
21 whether or not they should have reports particularly from  
22 Canadian Pacific Airlines. Also if there is no  
23 representation, on Mr. Sinclair's instructions, to  
24 ascertain as to what weight is to be given to CPR and  
25 Canadian National representing just the one aspect in  
26 what the Commissioner himself has indicated was a  
27 general assessment of the impact of the situation. There  
28 is nothing before us from the pipelines and I am  
29 raising this, Mr. Chairman, as a person interested in  
30 the overall picture for a matter of clarification of the





1  
2 record. I do not represent the pipeline companies,  
3 railways, airlines or anything else or any other  
4 transportation media and it is merely a general interest  
5 of investigating the matter thoroughly so you can bring  
6 forth the best recommendations in the general public  
7 interest.

8 THE CHAIRMAN: Well, we have had now over  
9 20,000 pages of evidence, we have advertised in the whole  
10 of Canada for witnesses to come forward and many have  
11 come forward, Our research department has done a great  
12 deal of work and we feel that this is a matter that is  
13 very much related.

14 MR. SINCLAIR: Mr. Chairman, if I may  
15 interrupt, my learned friend said if it is our intention  
16 to push into the background all other aspects of the  
17 CP interest in transportation. This, of course, is not  
18 so. The position of the Canadian Pacific in regard to  
19 the merchandise services and necessity for integration  
20 has already been fully represented by Mr. Emerson.  
21 Certainly the CPR situation with regard to passenger  
22 service has already been fully put in before the  
23 Commission. It might take my learned friend Mr.  
24 Drysdale by surprise to find that the airlines have  
25 recognized the need for taper in rates but that is an  
26 old recognition insofar as freight is concerned on the  
27 railways and a matter that we have had with us a long  
28 time. While these things look somewhat startling it is  
29 completely wrong to say that we are pushing anything into  
30 the background and if CPA believed that they needed to





1  
2 be represented before this Commission or that they wished  
3 to file a brief I can assure the Commission that the  
4 knowledge that the Commission was in existence was known  
5 to them since last May. I hope the Commission will take  
6 from me that the boards of directors of these companies  
7 had knowledge of the fact that this Commission was  
8 sitting and they had knowledge, further, as to your  
9 rulings as to this Commission. If they felt they had  
10 something to add to your deliberations beyond what you  
11 had already before you, I am sure they would have come  
12 forward.

13 MR. DRYSDALE: I would like to comment on  
14 that particular point. Apparently up to the date of May  
15 2, when they were at volume 60, approximately half way  
16 through the proceedings there was a jurisdictional  
17 objection raised by Mr. Sinclair, counsel for Canadian  
18 Pacific, a director of Canadian Pacific Railways and  
19 who I would suggest could be the person who would  
20 recommend to the CPA as to whether or not they should  
21 appear.

22 MR. SINCLAIR: Just a moment, I do not think  
23 you can assume anything as to who would recommend. I  
24 represent who I represent and being on the board of  
25 directors I represent the interest that pays me on the  
26 board of directors and nothing else.

27 MR. DRYSDALE: I do not think that has  
28 clarified anything but I would put it this way, that as  
29 general counsel of Canadian Pacific Railway I assume  
30 that great weight would be given to your observations.





1  
2 You stated that you do not think it would apply to air  
3 transportation in Canada so I would find it difficult  
4 to see if you said, as of May 2, 1960, that it does not  
5 apply to air transportation in Canada you would, as a  
6 director and general counsel of Canadian Pacific Railways  
7 recommend to the Canadian Pacific Airlines that they  
8 appear ---

9 MR. COOPER: Mr. Chairman, I think my learned  
10 friend should direct his remarks to you and the Commission  
11 rather than to other counsel here.

12 MR. DRYSDALE: I was speaking of ---

13 MR. COOPER: Just a moment. May I say I would  
14 not want any reflection to be cast on this Commission  
15 by any remarks made by Mr. Drysdale, that anything  
16 included within the terms of reference of this  
17 Commission has not received the attention of this  
18 Commission. The Commission has been well aware from  
19 the beginning of May, 1959, of its terms of reference.  
20 I can say as Commission counsel that I have been careful  
21 myself to obtain all possible evidence from the witnesses  
22 who have appeared before us as to air transportation  
23 and anything else which might be of interest and of value  
24 to this Commission. We have a considerable body of  
25 evidence built up that way on the matters which Mr.  
26 Drysdale has brought before the Commission this  
27 afternoon. I might also say that enquiries have been  
28 made from time to time by the Commission's staff itself  
29 on these matters. I might further emphasize what has  
30 already been said, that this Commission had published





1  
2 the dates of its hearings from time to time and that it  
3 is not in a position to insist or force any attendance  
4 before us of any particular body whether it be an air-  
5 line or otherwise. I think in the light of those  
6 considerations that the Commission has given proper  
7 weight to the considerations which have been brought  
8 before it this afternoon by my learned friend Mr.  
9 Drysdale.

10 I cannot make any further suggestion or  
11 recommendation in this respect in view of the fact that  
12 the Commission has no -- I should not say has no power,  
13 but at least the Commission can only, in the ordinary  
14 course of events, receive briefs presented before it  
15 by persons who believe they have an interest in being  
16 here. We have not as yet and I do not expect we will  
17 have any formal brief from the airlines.

18 MR. DRYSDALE: I do not wish to repeat it  
19 again, but I would like to draw to the attention of the  
20 Commission that the Royal Commission on Transportation  
21 of 1951, better known as the Turgeon Commission had a  
22 brief presented on the matter of air transportation which  
23 is chapter 13, page 259 and a brief presented by  
24 Canadian Pacific Railway Company on the matter of air  
25 transportation. I would suggest, Mr. Cooper, if a  
26 comparison is made of paragraph 2(a) which is the Order  
27 in Council setting out the scope of the Commission to  
28 the present Order in Council and bearing in mind your own  
29 observations, I feel that the situation is wide enough  
30 that there could and should be representations. I know





1  
2 Mr. Sinclair, at page 10859 of volume 60 dated May 2,  
3 1960, in reply to a question by the Chairman, page  
4 10858 said:

5 "The Chairman: Would you say that one of the  
6 problems relating to the railways transportation  
7 or the problems relating to railway  
8 transportation were caused by development  
9 of trucks.

10 MR. SINCLAIR: No, sir, I would not say that.  
11 I would say that the problems relating to  
12 railway transportation are caused first, --  
13 I thank Mr. Mauro for bringing it to my  
14 attention -- by the statutory grain rates.  
15 That is my problem.

16 Secondly, that because of changing travel  
17 habits in the passenger field, there is this  
18 phasing out by the railways of which we will  
19 on direction of the Commission have something  
20 to say at a later time, but that has nothing  
21 to do with the problems of the trucking  
22 industry; that has to do with private  
23 automobiles and aeroplanes and, to a minor  
24 degree, busses."

25 THE CHAIRMAN: Well, what do I understand  
26 you are suggesting, that we call here the Canadian  
27 Pacific Airlines?

28 MR. DRYSDALE: What I was suggesting, Mr.  
29 Chairman, I am not trying to rock the boat at this  
30 very late date but in reviewing the transcript it was

The first part of the paper discusses the importance of the study and the objectives of the research. It then proceeds to a literature review, followed by a description of the methodology used in the study. The results of the study are presented in the next section, followed by a discussion of the findings and their implications. The paper concludes with a summary of the main points and a list of references.

The study was conducted in a laboratory setting, using a sample of 100 participants. The participants were divided into two groups, one of which was exposed to the treatment and the other to the control. The results of the study showed that the treatment group had significantly higher scores than the control group. This finding is consistent with previous research, which has shown that the treatment is effective in improving the outcome.

The study has several limitations, including the small sample size and the lack of a long-term follow-up. Despite these limitations, the study provides valuable insights into the effectiveness of the treatment. Further research is needed to confirm these findings and to explore the long-term effects of the treatment.

The study was funded by the National Institutes of Health. The authors would like to thank the participants for their contribution to the study and the research assistants for their help in data collection.



1  
2 not clear as to who Mr. Sinclair was representing.

3 MR. SINCLAIR: It is clear now.

4 MR. DRYSDALE: It has been cleared up at the  
5 present time. I was suggesting, even as a controlled  
6 company, that Mr. Sinclair would be in a position to  
7 at least suggest to CPA that perhaps they submit a brief  
8 which would be filed setting out the situation with  
9 regard to the future in the passenger field of CPA.  
10 Also, I would suggest the same thing for TCA and also  
11 the future position which I think is very important as  
12 to the competitive aspect of the airlines in carrying  
13 goods. The aeroplanes are able to carry heavier and  
14 heavier goods and I think that is a very, very important  
15 aspect of the whole picture. I raised it, Mr. Chairman,  
16 perhaps with the naiveness of an outsider but when I  
17 reviewed the people who were representing briefs before  
18 the Commission I could not help thinking that they were  
19 primarily localised interest people who were perhaps  
20 raised in the tradition of the old railroader. I would  
21 suggest that Mr. Sinclair might be in that particular  
22 category and I do not mean it as a reflection.

23 MR. SINCLAIR: I must tell you I have had  
24 something to do with airlines too and I assure you I  
25 expect to have more to do with presenting their view  
26 in the future and at the appropriate time. Do not say  
27 too much about me being brought up in a certain ---

28 MR. DRYSDALE: It is no reflection on you.  
29 I have not appeared before the Commission before and it  
30 was just solely on reading these particular observations

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the transparency and accountability of the organization. The text outlines the various methods used to collect and analyze data, ensuring that the information is reliable and up-to-date. It also mentions the role of technology in streamlining these processes and reducing the risk of errors.

In the second section, the document addresses the challenges faced by the organization in implementing these practices. It highlights the need for continuous training and development of staff to ensure they are equipped with the necessary skills and knowledge. The text also discusses the importance of fostering a culture of openness and communication, where employees feel comfortable reporting issues and sharing their insights.

The third part of the document provides a detailed overview of the current state of the organization's operations. It includes a comprehensive analysis of the various departments and their contributions to the overall mission. The text also identifies key areas for improvement and proposes specific strategies to address these challenges. It concludes by reaffirming the organization's commitment to excellence and its dedication to serving the community.



1  
2 that I thought what we had is a situation with the  
3 Canadian National and Canadian Pacific wearing the hat  
4 of the railway but having other hats to deal with the  
5 trucking industry who were not represented as far as  
6 Canadian Pacific and Canadian National are concerned.  
7 But the other hats, as far as the airlines are concerned,  
8 TCA and CPA, the only major competitors who are likely  
9 to take that business were not represented. Perhaps  
10 looking at it naively I have great difficulty in  
11 recognizing how the Commission could come to reasonable  
12 and proper recommendations as to a review of the overall  
13 picture on national transportation and I suggest that  
14 perhaps the difficulty could be covered through these  
15 interested bodies should Mr. Sinclair like to recommend  
16 to his friends that they file a brief. I do not think  
17 it is necessary to prolong the subject any more than  
18 perhaps has been done.

19  
20  
21  
22  
23  
24 -  
25  
26  
27 -  
28  
29  
30

The first part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The second part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The third part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The fourth part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The fifth part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The sixth part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The seventh part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The eighth part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The ninth part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The tenth part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people.



1  
2 MR. SINCLAIR: I can assure my friend if he  
3 wants to know would I like to recommend that, the answer  
4 is, no, I would not like to recommend it. Somebody  
5 else might want to; possibly Mr. Drysdale.

6 MR. DRYSDALE: I think that is very important,  
7 Mr. Chairman, because who is going to appear before the  
8 commission to find out whether or not there is  
9 jurisdiction as far as C.P.A. and T.C.A. are concerned ?  
10 If, in the case of C.P.A., Mr. Sinclair has said, "No,  
11 I am not going to recommend they appear before them----

12 MR. SINCLAIR: It has nothing to do with  
13 jurisdiction.

14 MR. DRYSDALE: I think it has.

15 MR. SINCLAIR: I assure you, Mr. Drysdale,  
16 it has not.

17 MR. DRYSDALE: This has been the first time,  
18 Mr. Chairman -- and we have gone over 120 volumes -- when  
19 the position of Mr. Sinclair has been clarified as far  
20 as the record is concerned. He made the statement,  
21 "I represent Canadian Pacific". I didn't know from  
22 reading the questions which hat he had on, and now he  
23 says, "I am not going to recommend that Canadian Pacific  
24 Airlines bring forward anything." Yet, Mr. Sinclair,  
25 or the C.P.R. through their brief have raised the  
26 problems of the competition of the airlines. I didn't  
27 raise that. Mr. Sinclair raised the problem of  
28 jurisdiction.

29 THE CHAIRMAN: What are you suggesting we do ?

30 MR. DRYSDALE: The only thing I am pointing





1  
2 out is, it is up to you whether you do something or  
3 nothing. That is entirely within your scope, but I  
4 think it should be very clear there has been no  
5 representation at all by Canadian Pacific Airlines or  
6 by Trans-Canada Airlines; there has been no representation  
7 by the trucking firms controlled by them. The only  
8 people who have appeared have been C.P.R. as a railway  
9 wanting an increase in subsidy and in freight rates, and  
10 the C.N.R. wanting an increase in subsidy and in freight  
11 rates. I think there has been one side of the  
12 picture and not both sides.

13 MR. SINCLAIR: Mr. Chairman, the Canadian  
14 Pacific has been appeared here asking for an increase  
15 in subsidy and in freight rates. It had asked for the  
16 commission to recommend that the grain rates remain at  
17 their present level and the subsidy for the difference  
18 of the statutory level be paid to the transportation  
19 industry on behalf of the western grain producers.

20 THE CHAIRMAN: I will tell Mr. Drysdale that  
21 in our office we have men working on the very subjects  
22 that he has raised, and in addition to that we have some  
23 evidence here. We are, I hope, not missing any bets  
24 in this thing. We feel that, perhaps, in the days  
25 gone by there has been too much emphasis put on the  
26 status quo. We feel that while you can't look into a  
27 crystal ball and tell what is coming from the air,  
28 you can make an assessment, and that we are trying to  
29 do. If you want us to do anything further, please  
30 advise us and we will consider it, Mr. Drysdale.





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

MR. DRYSDALE: Thank you, Mr. Chairman.

I was just raising this, as I already indicated,  
as a matter of clarification. You have my objections  
and my viewpoint before you on the record, and  
whatever the Commission decides to do is a matter  
for the Commission.

THE CHAIRMAN: Thank you, Mr. Browne.

We will adjourn now until Wednesday morning in  
this room for the cross-examination of Dr. Borts.

---Adjournment.



*[The text in this section is extremely faint and illegible. It appears to be a multi-paragraph document, possibly a letter or a report, with several lines of text visible across the upper half of the page.]*

*[The text in this section is also extremely faint and illegible. It continues the document from the upper section, with several paragraphs of text visible across the lower half of the page.]*

*Alon R.P. McTague*

# ROYAL COMMISSION

ON

## TRANSPORTATION

### HEARINGS

HELD AT

OTTAWA

VOLUME No.:

123

DATE:

23 Nov 1960

OFFICIAL REPORTERS

ANGUS, STONEHOUSE & CO. LTD.

372 BAY STREET  
TORONTO

EM. 4-7383 2715-2716 2717 EM. 4-5865





ANGUS, STONEHOUSE & CO. LTD.  
TORONTO, ONTARIO

I N D E X

Page No.

BORTS, G. H.

Cross-examination by Mr. Sinclair

20321

- - - - -

NO EXHIBITS IN THIS VOLUME





ROYAL COMMISSION ON TRANSPORTATION

Proceedings of hearings held  
in the Court Room, Board of  
Transport Commissioners  
Offices, Ottawa, Ontario, on  
the 23rd day of November, 1960.

-----

COMMISSION

Mr. M. A. MacPherson, Q.C.	Chairman
Mr. H. Anscomb	Member
Mr. A. H. Balch	Member
Mr. R. Gobeil	Member
Mr. H. A. Mann	Member
Mr. A. Platt	Member

COMMISSION COUNSEL

Mr. A. G. Cooper, Q.C.	
Mr. G. S. Cumming	
Mr. H. W. Ellicott	Adviser
Mr. F. W. Anderson	Secretary
Major N. Lafrance	Assistant Secretary





Ottawa, Ontario,  
Wednesday,  
November 23, 1960.

--- Commissioner Gobeil not present ---

--- On commencing at 10:00 a.m.

THE CHAIRMAN: Order, please.

Gentlemen, the Commission was very pleased that there was progress made by the cost conference last week of experts, and appreciate the cooperation on the part of all experts.

I think Mr. Cooper should now state the ruling made last June and read from the report.

MR. COOPER: Mr. Chairman, I refer to pages 14070 and 14071 of volume 80 of the transcript, where the Commission laid down the procedure to be followed to expedite the disposition of the submissions on costing matters to be presented by the provinces of Alberta and Manitoba and by the United Grain Growers Limited and the Wheat Pools. I quote commencing the last paragraph on page 14070:

"The Commission is of the opinion that the submission in these matters to be presented by the various cost experts retained should be referred to and dealt with by a meeting of such experts and those of the railways under the chairmanship of Dr. D.E. Armstrong after the evidence of such experts has been given in chief and before cross-examination thereon.

This meeting will be held in Montreal,





1  
2 commencing on a date to be announced, and  
3 will be attended by the Commission as  
4 observers. No counsel will be present.

5 At this meeting: --

6 (1) All submissions ~~above referred to~~  
7 will be discussed;

8 (2) Areas of agreement and disagreement  
9 will be determined and delineated;

10 (3) Minutes of the proceedings will be  
11 taken and a report made by Dr. Armstrong to  
12 the Commission setting out the points of  
13 agreement and disagreement between the parties;

14 (4) Opportunity for cross-examination  
15 of the cost experts for the provinces and  
16 the grain trade in public hearing will be  
17 afforded by the Commission on dates to be  
18 announced. However, cross-examination will  
19 be limited to the points of disagreement as  
20 reported to the Commission by Dr. Armstrong.

21 The Commission wishes to make it clear  
22 to all concerned that the procedure here set  
23 out for dealing with this complicated and  
24 difficult area of its work has been arrived  
25 at with the objects of saving time and  
26 expense and of permitting the submissions  
27 to be developed by the experts unfettered  
28 in so far as possible by the difficulties  
29 of such development through the technique  
30 of cross-examination of technical witnesses





1  
2 in public hearings."

3 As the Chairman has already mentioned, the  
4 cost conference was held in Montreal. It commenced on  
5 November 14, the date fixed by the Commission, and  
6 ended on November 17. The Commission has received the  
7 report of Dr. Armstrong dealing with memorandum No. 1,  
8 submitted by Dr. G.H. Borts on behalf of the provinces  
9 of Manitoba and Alberta and setting out the points of  
10 agreement and the points of disagreement between the  
11 parties.

12 I now file the statement of such points of  
13 agreement and disagreement.  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30





November 23, 1960.

STATEMENT setting out the points of agreement and points of disagreement with respect to memorandum No. 1 submitted by Dr. G.H. Borts on behalf of the provinces of Manitoba and Alberta arrived at between the parties at the Cost Conference held in Montreal November 14-17, 1960.

Page references are first to the memorandum submitted by Dr. Borts and second to the transcript.

Points of Agreement

The following changes were agreed:

1) p. 2, line 26

p. 19122, line 4 - substitute "tracing" for "allocation"

2) p. 3, line 9

p. 19122, line 18 - substitute "correlation" for "association"

3) p. 4, line 15

p. 19125, line 19 - substitute "31" for "27"

4) p. 5, line 4

p. 19126, line 19 - insert after the word "clear" the words "from the statistical tests"

5) p. 12, line 6 to p. 13, line 20 -

pp. 19137 - 19138 - The Canadian Pacific will re-run this model omitting Quebec. Dr. Borts will accept the original model with this qualification.

6) p. 40, lines 10 to 14. p. 19188, lines 11 to 17. Delete all words "There are no..." to and including "For these reasons" so that the paragraph begins "We have decided"





Points of Disagreement:

7) p. 1, line 13

p. 19119, line 3 to 6 -

The Canadian Pacific objection to the first sentence of paragraph 2 is part of a general objection to the treatment by Dr. Borts of geographical effects. Because of this general observation, they argue that the criticism of Dr. Borts is not well taken. All parties agreed that the inclusion of a variable to reflect the effects of geography on maintenance would be desirable. In fact the CNR has used such a variable. The CPR maintains that the only variable which might be significant is curvature and they stated that on the basis of engineering grounds they do not feel it would be significant and therefore have not spent the many many months which would be required to create an appropriate index. Since they feel curvature is the only appropriate index they reject the use of any other variable in its stead. This general objection underlies particular objections as follows:

7a) p. 3, lines 8 to 17

p. 19123, lines 11 to 18 -

The Canadian Pacific does not agree that the facts alluded to support the inference that geography is important in explaining cost.

7b) p. 4, lines 23 to 27

p. 19126, lines 6 to 18 -





1  
2 In addition to the general objection all  
3 parties agreed that a physical variable rather  
4 than a money variable should have been used.  
5 The position of Dr. Borts is that he would  
6 have used such a variable had one been  
7 available. The Canadian Pacific objects to  
8 the inclusion of miles of track per \$100 of  
9 investment on the grounds that simple miles  
10 of track would have been the appropriate  
11 choice of a size related variable.

12 7c) p. 5, line 16  
13 p. 19127, line 28 -

14 On the general grounds, the Canadian Pacific  
15 objects that the equation fitted does in fact  
16 indicate that the geographical nature of  
17 CPR operations explains a substantial  
18 portion of track maintenance expense.

19 7d) Addendum to memorandum No. 1, page 2  
20 p. 19194, lines 6 to 21 -

21 The Canadian Pacific argue that figure of  
22 \$742.52 as the minimum for track maintenance  
23 is incorrect and that \$1137 is the accurate  
24 figure. They argue that Borts' estimate leaves  
25 out a number of factors including repair of  
26 railway crossings and of eroded sub-grades.  
27 Mr. Banks loaned to the Commission staff  
28 further evidence of the minimum maintenance  
29 cost of United States lines for which  
30 abandonment applications have been made.





1  
2 This material is to be loaned in turn to the  
3 Canadian Pacific before return to Mr. Banks.  
4 The railways also object to the use of train  
5 miles in place of gross ton-miles as an  
6 explanatory variable for maintenance and  
7 depreciation. The question hinges upon what  
8 are the factors which cause wear and tear  
9 of track. All parties seem to agree that  
10 wear and tear is in fact a function of  
11 maximum axle weight, the total weight of  
12 the train, and the speed of the train. Since  
13 it is not possible to use these explanatory  
14 variables, something less satisfactory must  
15 be used. The Alberta-Manitoba consultants  
16 lean to the total weight and that since  
17 maximum axle weight is found in the engine,  
18 not the trailing load, train miles are a  
19 suitable proxy variable. The railways adopt  
20 the position that total weight of the train  
21 is more important and that "trailing gross  
22 ton-miles" which happens to exclude  
23 locomotive weight is the best of the  
24 available proxy variables.

25 7e) p. 6, lines 5 to 12

26 p. 19128, lines 20 to 29 -

27 The Canadian Pacific objects that the  
28 adjustment referred to would not be necessary  
29 if professor Borts used miles of track in  
30 the first place. This objection, is therefore





1  
2 a part of that made in point 7b.

3 8a) p. 7, line 3 to p. 14, line 23

4 p. 19129 line 10 to p. 19140 line 11 -

5 A series of objections were raised to the  
6 models fitted by Dr. Borts in an attempt  
7 to prove the explanation given by Canadian  
8 Pacific for the expenses of track maintenance  
9 and depreciation. In general they are as  
10 follows:

11 i. The choice of independent variables is  
12 inappropriate on a priori grounds.

13 The variables selected are not those  
14 that one would expect to find as  
15 controlling variables.

16 ii. The equations are pyramided, i.e.  
17 equation a is fitted to one series of  
18 variables - equation b fits the  
19 explanatory variables of equation a to  
20 a second set of variables and it is  
21 therefore assumed that the variables used  
22 as explanatory variables in equation b,  
23 can be related to those for which an  
24 explanation is sought in equation a.  
25 The railways argued that no T-test has  
26 been provided and indeed that they cannot  
27 be provided and therefore it is impossible  
28 to test the statistical significance of  
29 the coefficients. Dr. Borts agrees that  
30 pyramidding is undesirable and states





1  
2 that it is the only way he could get  
3 relations with the output units and that  
4 he is willing to accept the result of  
5 his work even without the provision of  
6 a T-test on the pyramid equation and  
7 that he based this on the T-test applied  
8 to the equations before they were  
9 combined. Canadian Pacific argues that  
10 in some cases the new equations do not  
11 explain enough of the variance of the  
12 dependent variables to be worthwhile.

13 iii. The railways offer general objection to  
14 the east-west split. Specifically in  
15 account 235 the railways object to the  
16 application of the system equation to  
17 the west.

18 iv. With regard to the investment regression,  
19 the railways maintain that there is no  
20 difference between east and west and  
21 that therefore the original system  
22 equation is better.

23 v. The railways argue that both the east  
24 and west models left out switching, that  
25 in the east, account was not taken on  
26 miles of track, and that on these  
27 grounds the models presented are faulty.

28 8b) Objection was raised to the manner in which the  
29 T-test was used to eliminate certain variables  
30 which the railway feels are important to an





1  
2 explanation of maintenance expense. This  
3 objection relates to that of the T-test which  
4 is discussed below (point 9).

5 8c) p. 7, line 6  
6 p. 19130, line 3 -

7 The question was raised whether 202b should  
8 appear in this line. Dr. Borts undertook to  
9 re-examine his position and to state his  
10 position in the light of the conversation to  
11 the Commission staff and the Canadian Pacific  
12 as soon as possible after the conference.

13 9a) p. 14, line 24 to p. 17, line 26  
14 p. 19140, line 11 to p. 19144, line 7 -

15 The railways object to the discussion of  
16 the use of a 5% probability level on two  
17 grounds. First, that the appropriate test  
18 to apply is a one-sided test and that  
19 therefore when Dr. Borts quotes a  
20 probability as for example of 14%, it would  
21 in fact be 7%. It was agreed that this  
22 point should be argued, in effect, before  
23 the Commission staff by correspondence and  
24 could not usefully be dealt with in formal  
25 hearings.

26 9b) The railways agree that they do not adopt an  
27 inflexible criterion of 5% but believe that  
28 some flexibility should be made in the face  
29 of the logical relationship between the  
30 variables. Dr. Borts stated that he felt

# THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY

JOHN BURNET

OF THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

THE FIRST

FROM HIS BIRTH TO HIS DEATH

IN THE YEAR 1649

AND

A HISTORY OF THE

REIGN OF

CHARLES THE SECOND

BY

JOHN BURNET

OF THE UNIVERSITY OF OXFORD



ED HAS REMOVE

that this does not remove his objection that the CPR statisticians have not given convincing reasons for accepting regression coefficients which would be rejected when a 5% critical probability level, (or some other probability level) stated in advance, is employed.

10) p. 18, line 1 to p. 20, line 11

p. 19144, line 8 to p. 19146, line 30 -

The provincial experts suggest that the use of gross ton-miles as opposed to car-miles penalizes heavy loading commodities. They state that since there is a linear relationship between car-miles and gross ton-miles as between divisions, the use of car-miles in place of gross ton-miles would not change the regression results but would change the cost falling on grain. Since the evidence was not examined by the CPR neither agreement nor disagreement with this statement was registered. The provincial consultants stated that they had not, in fact, used car-miles as a basis for charging costs to grain. Their point is simply that to the extent that some costs are a function of car-miles rather than gross ton-miles, the use of the latter overstates the cost applying to grain. The railways contend that gross ton-miles are the appropriate variable to use and that car-miles are not.

The first part of the paper discusses the importance of maintaining accurate records of all transactions. It is essential for the business to have a clear and concise record of all income and expenses. This will allow the business to track its financial performance over time and identify areas for improvement. The second part of the paper discusses the importance of maintaining accurate records of all assets and liabilities. This will allow the business to track its net worth over time and identify areas for improvement. The third part of the paper discusses the importance of maintaining accurate records of all taxes paid. This will allow the business to track its tax liability over time and identify areas for improvement. The fourth part of the paper discusses the importance of maintaining accurate records of all debts. This will allow the business to track its debt liability over time and identify areas for improvement. The fifth part of the paper discusses the importance of maintaining accurate records of all equity. This will allow the business to track its equity over time and identify areas for improvement. The sixth part of the paper discusses the importance of maintaining accurate records of all other financial information. This will allow the business to track its overall financial performance over time and identify areas for improvement.



11) p. 20, line 12 to p. 38, line 13

p. 19147, line 1 to p. 19182, line 5 -

After an extended discussion on the facts of multiple car cuts, certain evidence on which the Canadian Pacific has rested its argument that the evidence shown by the provincial consultants for other yards did not apply to Canadian Pacific operations, was re-evaluated. Canadian Pacific is presently re-examining its position on this matter.

12) p. 38, line 14 to p. 43

p. 19182, line 7 to p. 19192, line 28 -

The general position of the Canadian Pacific is that the second method for allocating constant costs is preferable to the first method which they used. It would appear that the Canadian Pacific is willing to accept, as a proper interpretation of their reasons that proper weight was not given to these costs, the reasons which Dr. Borts has given why they should not. The difference, therefore, seems to rest largely on Dr. Borts' statement that there are no a priori grounds to choose between the two methods.

THE CHAIRMAN: Mr. Sinclair?

MR. SINCLAIR: Yes. Now, Mr. Chairman,

before I commence my cross-examination of Dr. Borts I would like to say that Canadian Pacific is proceeding at this time, as the Commission knows, with only a part





1  
2 of the cross-examination on the cost study of Manitoba-  
3 Alberta dealing with the movement of grain to export  
4 positions in western Canada. The Commission will recall  
5 that the cost study presented on behalf of these  
6 provinces is in three parts.

7 THE CHAIRMAN: I think I will warn you, Mr.  
8 Sinclair, you were not present at the conference, and  
9 neither was Mr. Cooper, nor was anybody of the Commission.

10 MR. SINCLAIR: Yes, sir.

11 THE CHAIRMAN: But Mr. Hay was there, and he  
12 is sitting by Mr. Cooper, and if you innocently transgress  
13 he will call your attention to it.

14 MR. SINCLAIR: I wish he would, sir, and I also  
15 say this, that if I move into areas which I think might  
16 be of assistance to the Commission in cross-examination,  
17 that the Commission would say, "Well, we think that has  
18 gone far enough, and we would like that to be handled by  
19 the experts"; I will say "Quite so", and I will be very  
20 happy, I might say, to have that protection because it  
21 would assist and save time.

22 THE CHAIRMAN: We will be guided by Mr. Hay  
23 and Mr. Cooper.

24 MR. SINCLAIR: Well, thank you very much, sir.

25 There were these three parts of the cost study  
26 on Manitoba and Alberta. There was, first, the provinces'  
27 assessment of the cost of money to Canadian Pacific.  
28 Now, that part has been heard and the cross-examination  
29 concluded.

30 Now, the second part was the amount of revenues





1  
2 received; that is, the dollars for the movement of grain  
3 received by Canadian Pacific under the Crow's Nest Pass  
4 basis of rates, and the amount of work done by the  
5 railway measured by such items as gross ton-miles,  
6 switching miles, car days and the like, and the cost of  
7 repairs to freight cars and locomotives, depreciation  
8 and similar matters. Now, the cross-examination on this  
9 part of the Manitoba-Alberta study will be heard in  
10 January.

11 Now, the third part were those costs which  
12 amount to about one-third of the variable costs, which  
13 were determined by statistical techniques through the  
14 application of multiple regression.

15 It is this third aspect, the evidence which  
16 has been given by Dr. Borts, and it is on that that we  
17 are to cross-examine this morning, on the methods he  
18 used and on the choice of the work units which in his  
19 view explain that cost, and the matter of the  
20 determination of the constant costs.

21 Now, Mr. Chairman and members of the Commission,  
22 because of the particular advantages of this Commission,  
23 certain areas which would in other circumstances be  
24 dealt with in cross-examination will not be dealt with  
25 in this way. So that my position will be understood, I  
26 wish to draw to your attention that the Commission has  
27 among its members two men who have had experience in the  
28 use of statistical techniques, Messrs Platt and Gobeil,  
29 and one member who is a Transportation Economist, Mr.  
30 Mann. The Commission also has in Mr. Commissioner Balch





1  
2 a man who spent many years on the railroad as a switch  
3 man and who, in the vernacular, is close to the cinders.  
4 In addition, the Commission has the advantage of highly  
5 qualified technical advisers in Dr. Armstrong, Dr. Hay  
6 and Professor Anderson.

7 Now, these remarks that I have just made are  
8 directed to items 2 and 3.

9 Now, in regard to the cost of money study,  
10 here again, the Commission has some particular advantages  
11 because many of its members are men with knowledge of  
12 banking, accounting and finance, and people with practical

13 ---

14 MR. FRAWLEY: I have no objection to what my  
15 friend is saying. I cannot help but say that it reminds  
16 me of a Jury speech.

17 THE CHAIRMAN: Go ahead.

18 MR. SINCLAIR: Of course, Mr. Chairman, we can  
19 of course proceed, and if my friend thinks that I am  
20 addressing a Jury in addressing you gentlemen, I think  
21 he is very much mistaken. I do not think that people  
22 with the background that you gentlemen have and people with  
23 the technical abilities that you have, and with your  
24 technical staff, should be looked upon as a Jury, even  
25 a blue-ribbon one, because your abilities and knowledge  
26 and background and the task you have is much greater than  
27 any Jury that I know has ever had to deal with.

28 MR. FRAWLEY: No disagreement at all.

29 MR. SINCLAIR: Now, in this part of cost of  
30 money, I make reference, Mr. Chairman, to you and to





1  
2 Commissioner Anscomb and Commissioner Platt. In addition,  
3 the Commission has the technical advice of Mr. Lionel Kent,  
4 who has been a financial and accounting adviser to many  
5 Canadian businesses in western Canada and in eastern  
6 Canada and who has been the financial and accounting  
7 adviser to certain of the western provinces and financial  
8 and accounting adviser to the Board of Transport  
9 Commissioners.

10 Now, you, sir, made reference this morning to  
11 the cost conference. This was an intensive conference.  
12 It was held among the technical advisers, as you said,  
13 of Manitoba-Alberta and the Grain Trade and the technical  
14 advisers of the railways. I am instructed that it lasted  
15 long hours, from something after 9 in the morning to  
16 something after 9 at night on two days, and very, very  
17 complete days the other two days it was in sitting.

18 THE CHAIRMAN: Which is all to its credit.

19 MR. SINCLAIR: I think so, sir, and as you have  
20 said, worthwhile progress has been made and further  
21 work arising out of the conference, I am instructed,  
22 is to be done, and I understand the technical advisers  
23 of the Commission still have a number of issues before  
24 them.

25 Now, Mr. Chairman and members of the Commission,  
26 the cost study of Manitoba-Alberta showed that grain on  
27 the lowest basis they advanced was approximately \$10  
28 million short of meeting its full cost. The cost study  
29 of Canadian Pacific showed that the difference between  
30 the full cost of moving grain and revenue received under





1  
2 the statutory rates was approximately \$35 million. In  
3 other words, a difference of \$25 million. In the \$35  
4 million of short fall from full cost, as determined by  
5 the Canadian Pacific cost study, some \$18 million arose  
6 from constant costs. Under the Manitoba-Alberta proposal  
7 in this area, the constant cost ascribed to grain was a  
8 range from \$10 million to \$15 million, depending upon  
9 the method applied. In other words, a difference between  
10 the two cost studies in the area of constant costs of  
11 from \$3 million to \$8 million. This difference is in  
12 part accountable by a difference in the cost of money  
13 between Manitoba-Alberta and Canadian Pacific and in  
14 part as a result of the difference in the variable costs  
15 determined by the two studies.

16 My point here is that it is only the difference  
17 in the variable costs that we are concerned with this  
18 morning. Now, the difference in those variable costs in  
19 the two studies is approximately \$17 million. The  
20 Manitoba-Alberta cost study as presented to the Commission  
21 shows no short-fall at the variable cost level and  
22 Canadian Pacific shows a short fall of approximately  
23 \$17 million.

24 Now, this variable cost level difference has  
25 been somewhat narrowed by the cost conference, but  
26 in the regression aspects, which we are going to deal  
27 with this morning, the differences are still marked.  
28 And the differences account for approximately \$3.5 million  
29 of the \$17 million difference on the variable cost level.

30 Now, the reasons why Canadian Pacific cannot





1  
2 accept the revisions made in the regression part of the  
3 Manitoba-Alberta cost study as advanced by Dr. Borts are  
4 in part matters of a highly technical nature which were  
5 put forward at the cost conference and I do not intend  
6 to go into them in cross-examination. In other areas,  
7 while it is technical, it is not highly technical, in  
8 my submission, and there are reasons why for these other  
9 than technical reasons Canadian Pacific cannot accept the  
10 revisions made by Dr. Borts, and I intend, with your  
11 permission, Mr. Chairman and Commissioners, to go into  
12 that. I am mindful that the Commission has given to  
13 Canadian Pacific the opportunity to call rebuttal  
14 testimony in January next on this matter, and I am also  
15 mindful of the ruling made by the Commission and the  
16 report of the cost conference which is now part of the  
17 record, and I am very mindful of the point raised by  
18 my friend Mr. Cooper this morning, and as you say, sir,  
19 it is my intention to keep within the limits so set up.  
20 I want to repeat that if the Commission feels that I am  
21 into an area that might better be left for expert  
22 discussion, if Mr. Cooper would just indicate to me, I  
23 would be very happy.

24 THE CHAIRMAN: That is what you propose?

25 MR. SINCLAIR: Yes.

26 MR. MAURO: Is that the completion of the  
27 opening statement prior to cross-examination?

28 MR. SINCLAIR: Yes.

29 MR. MAURO: I would like to be sure we are  
30 moving on now to cross-examination, and that we both have





1  
2 an opportunity to argue at some subsequent date on this.

3 The first thing I want to comment on: I notice  
4 there is part of a page missing off the document filed.

5 THE CHAIRMAN: Well, that is the conclusion  
6 directed by the consultants to the Commission, and it  
7 does not apply ---

8 MR. MAURO: I just wanted to be sure, because  
9 my learned friend has referred to the memorandum, and I  
10 assumed that the memorandum, now that we are going to be  
11 dealing with it, is one that is not entitled "memorandum"  
12 at all, but dated November 23, 1960, and not the  
13 memorandum dated November 21, 1960, which contained the  
14 areas of cross-examination, statement on page 5, and  
15 which set out three points that they felt were fruitful  
16 for areas of cross-examination.

17 THE CHAIRMAN: The one that is put in is  
18 consistent with the ruling in June.

19 MR. MAURO: According to that ruling, then,  
20 Mr. Chairman, the points of agreement will not be subject  
21 to cross-examination.

22 THE CHAIRMAN: No.

23 MR. MAURO: And I understand that those points  
24 of agreement, as listed on page 1 of the memorandum filed  
25 this morning, means that Mr. Sinclair has agreed not to  
26 cross-examine on the substitution of the word "tracing"  
27 for "allocation", and the substitution of "correlation"  
28 for "association", and the substitution of "31" for "27",  
29 and the other insertions of words, but that to all other  
30 intents and purposes the 43 page document submitted by





1  
2 Dr. Borts is open to Mr. Sinclair for cross-examination.  
3 That is how I understand the ruling.

4 THE CHAIRMAN: Yes.

5 MR. MAURO: That is, as I understand the  
6 ruling of June 10, there would be no cross-examination  
7 on points of agreement, and the points of agreement are  
8 listed there on page 1.

9 I call Dr. Borts for cross-examination.  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22 -  
23  
24  
25 -  
26  
27  
28  
29  
30





1  
2 ~~CONFIDENTIAL~~ GEORGE H. BORTS, recalled

3 CROSS-EXAMINATION BY MR. SINCLAIR:  
4

5 Q. Dr. Borts, so we ~~may have some~~ idea  
6 of how I intend to discuss this matter with you  
7 I think I should say first that I want to discuss  
8 with you some matters of principle. Then it is  
9 my intention to move in and discuss with you  
10 your ~~equation~~ that you substitute for those of  
11 the Canadian Pacific. Then I would move into  
12 your suggestion ~~about the car cost rather than~~  
13 gross ton miles as a measure and then, finally,  
14 into the question of the costs.

15 Now, on the first matter of principle,  
16 Dr. Borts; when a statistician decides to apply a  
17 statistic to the determination of cost he must  
18 decide what work units or variables he thinks would  
19 explain the cost he has under consideration; correct?

20 A. Excuse me, is that a quote?

21 Q. No.

22 A. Just a question -- yes, that is a correct  
23 statement.

24 Q. He builds from this equation which  
25 he has on the one side, the cost he has under  
26 consideration, and on the other side a constant  
27 term of the independent variables that he has  
28 chosen to explain cost; correct?

29 A. If we understand each other by  
30 "independent variables", yes. I have a feeling that





1  
2 we might wind up in some disagreement about how  
3 narrow the cost units are defined at this level  
4 of consideration. I would certainly say "yes" to  
5 your answer.

6 Q. To my question?

7 A. To your question, yes.

8 Q. Now, the statistician runs the  
9 equation and then he is able to see how much of the vari-  
10 ability in the costs he has under consideration  
11 is explained?

12 A. If I could -- he selects the variables  
13 first and selects the sample on which the equation  
14 will be run and then the answer to your question is  
15 "yes".

16 Q. And then the amount of the variable  
17 explained is expressed as the  $R^2$ ?

18 A. Oh, I am sorry, I misunderstood you  
19 when you said "the amount of variability explained".  
20 As you recall from my initial testimony, variability  
21 is used in two senses here: the  $R^2$  expresses  
22 the amount of variation in the dependent variable  
23 which the equation explains, yes.

24 Q. The  $R^2$  explains the difference  
25 between the projected value of the equation and  
26 the actual value of the observation summed up  
27 and squared?

28 A. Yes, that is correct.

29 Q. Squared and summed up?

30 A. Yes.





1  
2 Q. Now, other things being equal, the  
3 statistician will accept the equation with the  
4 highest  $R^2$ . That is, he will accept the  
5 equation, other things being equal, that explain  
6 the most variance?

7 A. Other things being equal, the answer  
8 is yes.

9 Q. Then, Dr. Borts, a statistician  
10 applies what is known as the T test and by that meaning  
11 that he determines the value of T for each unit  
12 cost developed by the equation. By "unit cost"  
13 I mean the co-efficient -- that is what the statistician  
14 calls the co-efficient?

15 A. That is correct.

16 Q. Now, the value of T is determined by  
17 dividing the co-efficient by the standard error?

18 A. Correct -- by the estimate of its  
19 standard error.

20 Q. The estimate of its standard error?

21 A. Yes.

22 Q. Because that is the way he does this  
23 complicated mathematical or algebraical determination  
24 and this is done by formula?

25 A. Well, the division is purely --

26 Q. Not the division, even a lawyer can  
27 do that. The determination of the standard of  
28 error is a complicated matter?

29 A. That is correct.

30 Q. And that is why you say it is an estimate.





1  
2 So, we now have the value of T by dividing the  
3 co-efficient by the standard error as determined  
4 in the usual normal way?

5 A. I would appreciate if I could correct  
6 you because you get going back to the term "standard  
7 error" and I use the term "estimate of the standard  
8 error". I think we can agree it is an estimate  
9 on the cost. The formula is complicated but there  
10 is no way of knowing the standard error of the  
11 co-efficients and all we can do is estimate it  
12 from the same sample from which the regression  
13 co-efficient has been computed.

14 Q. A statistician asks himself then,  
15 is the value of T as developed by each of the co-  
16 efficients in the equation statistically significant?

17 A. Significantly different from zero.

18 Q. And that makes it statistically  
19 significant?

20 A. Well, there are T tests which would  
21 apply to other things than zero but I will go along  
22 with you on that -- yes.

23 Q. And if in the mind of the analyst  
24 the value so determined is not statistically  
25 significant then he rejects the equation?

26 A. Generally what he tries to do is  
27 fit the equation again rejecting the particular  
28 independent variable which was found to be insignificant  
29 by the test or try some other form of equation  
30 if he feels that he wants to explain his variables in





1

2

a particular way.

3

4

5

6

7

8

Q. Now, is that really correct? Perhaps you could help me on this because if you have one co-efficient in the equation that is not statistically significant because all the other co-efficients in the equation are inter-related, you must reject the equation. Is that not right?

9

10

11

12

13

14

15

A. Well I might just correct you and then I think we can agree again. This is true if all the co-efficients explain the constant term of the equation and then I would agree with you because, as you know, both your own ~~statisticians~~ and I accepted equations where the constant term was not significant.

16

17

18

19

20

21

Q. Now, Dr. Borts, a high correlation, a high amount of variance explain a high T value. If each co-efficient in the equation is not a final test you have to consider the equation and its results in the light of them being meaningful; correct?

22

23

24

A. Correct.  
Q. You express it this way in Volume 116 at Page 19108:

25

26

"Sometimes a correlation can come out very high without being very meaningful."

27

28

29

30

A. Yes, that is right.  
Q. And later on the same page you say again in a somewhat different way:

"I would caution against using goodness of





1  
2 fit as the only criterion in using this  
3 technique for costing."

4 A. That is correct.

5 Q. So, Dr. Borts, the statistician analyst  
6 having a reasonable amount of variance explained  
7 by looking at the  $R^2$  factor and having the  
8 statistically significant equation by looking at  
9 the T values and the co-efficient in the equation  
10 applies what I am going to call the clincher and  
11 that is the ultimate test which I term the K test?

12 A. Capital K or small k?

13 Q. Capital K, the K test. Do you agree  
14 with me?

15 A. The K test?

16 Q. You do not know what the K test is.  
17 I am sorry, the K test is the application of knowledge,  
18 experience, common sense and appreciation of the  
19 explanation that you are trying to get; correct?

20 A. Absolutely.

21 Q. Dr. Borts, an analyst statistician  
22 is sometimes said to be a man who looks for  
23 homogeneity and finds it difficult to live with heter-  
24 ogeneity; do you agree with that?

25 A. I would say that is a philisophical  
26 issue and I do not think it describes my own  
27 behavior. At least it rhymes, though.

28 Q. Well, we will see if it is close.  
29 I suggest it is not because I am going to suggest  
30 to you that while a statistician is not disturbed





1

2 if he finds in his observations homogeneous matters  
3 but a disturbing influence in the homogeneity if  
4 that disturbing influence is scattered randomly  
5 throughout the observations. Do you agree with that?

6 A. Would you say that again.

7 Q. I say that the statistician analyst  
8 is not disturbed if he has in his observation that  
9 are otherwise homogeneous a heterogeneous factor  
10 when he finds that heterogeneous factor is distributed  
11 randomly among the observations?

12 A. I think that is a fair statement, yes.  
13 I am a little bit bothered by the generality of  
14 the question, though. If you gave me a little time  
15 we might argue about a counter example.

16 Q. Dr. Borts, again as a matter of  
17 principle, the analyst has to have a reasonable  
18 number of observations or he cannot apply the  
19 regression technique?

20 A. That is correct. He cannot apply it  
21 and hope to get statistical significant results.  
22 You can always fit a straight line to two points.

23 Q. Now, Dr. Borts, other things being  
24 equal, the analyst will use the most observations  
25 available rather than the least?

26 A. Other things being equal, that is  
27 correct, provided the observations satisfy the  
28 criteria of choice which we will apply to that.

29 Q. That is the K test?

30 A. Yes. Well, the K test is an intriguing





1  
2 idea but I think you are going to confuse people  
3 by using the word "test" for a procedure which differs  
4 among every individual.

5 Q. Well, we will see. I do thank you  
6 for bringing that to my attention. Now, the statistician  
7 analyst is dealing with the whole, which is  
8 capable of being divided into groups of observation  
9 tests to see whether the whole can be used rather  
10 than the individual groups by applying what is  
11 called the T variance analysis?

12 A. He uses that and he also uses the  
13 K test. I should explain, perhaps, that is to  
14 say when a statistician has a body of information  
15 from which he wants to extract a relationship he  
16 uses any information at his disposal in order to  
17 make a decision as to whether the sample should be  
18 treated as a unit or whether it should be segregated  
19 in some reasonable fashion. That whole co-variance  
20 test is a very good test to use. He will also use  
21 that information which is available to him from  
22 engineering -- in this case engineering sources.  
23 In another case it might be biological sources and  
24 so on.

25 Q. Now, co-variance analysis enables the  
26 statistician, I take you to mean, it is whether a  
27 statistically more satisfactory result will be achieved  
28 by taking only a part of the whole as distinguished  
29 from the whole, in other words, your dividing the  
30 observations into groups and working them out separately





1  
2 rather than taking all the observations and working  
3 them out as a whole?

4 A. That is correct, yes. There are also  
5 rules for combination which this test does as  
6 well. Yes, your statement is correct.

7 Q. And as you said, that is what I  
8 think you would like to add, is that the statistician  
9 must be careful to know that the data he is using  
10 is relative to the situation that he is analysing?

11 A. Correct.

12 Q. Now, Dr. Borts, if the analyst is  
13 attempting to remove what he thinks is a heterogeneous  
14 influence he has to know two things, the first being  
15 that the differing factors are not randomly distributed;  
16 correct?

17 A. Would you repeat? The differing what?

18 Q. The differing factor?

19 A. Is not randomly distributed, that is  
20 correct.

21 Q. And the second, having satisfied himself  
22 that there is this different factor that has a  
23 disturbing influence which he feels he wants to  
24 remove, the analyst then has to choose the variable  
25 which does remove or extend that disturbing factor  
26 or a heterogeneous factor that is the subject of the  
27 matter he is working with?

28 A. Correct.  
29  
30





1

2

Q. Dr. Borts, in your paper which you submitted to this Commission, you said on page 1 ---

4

A. Is this the transcript or the paper?

5

6

Q. I am going to work from the paper, if you do not mind. I could swing over to the transcript.

7

8

A. Well, I have the paper before me, so that will be all right.

9

10

11

12

13

Q. You said in your submission, "The most important criticism to be levied against the CPR regression studies is the failure of the estimated equations to depict output and cost variation among regions of homogeneous operating characteristics."

14

15

16

17

18

19

In adopting the independent variables, or the explanatory variables in completing your calculations, that you substituted for those used by the Canadian Pacific, was the reason for their adoption based on the fact that they enabled homogeneous operating characteristics to be reflected?

20

21

22

23

24

A. Yes, in those cases where the regression equation was corrected -- and I think there are five separate cases. Let me check that: there are six separate cases of which five, I believe, are under discussion here.

25

Q. Yes.

26

27

28

29

30

A. Although the same conclusion would be true of the one we will not discuss, an attempt was made as one of the goals of re-working the equation, an attempt was made to correct in such a way that we could take account of the heterogeneous operating characteristics





1  
2 of different regions of the railway, though this attempt  
3 took different forms in different parts of my work.

4 Q. Yes, I will discuss those different  
5 forms with you later.

6 A. Yes.

7 Q. What did you mean, in view of the fact  
8 that the adoption was based on the fact they enabled  
9 homogeneous operating characteristics to be reflected,  
10 what did you mean -- you having told me that -- when  
11 you said at page 3, "The statistical models to be  
12 presented in this study are corrections of CPR models  
13 in the sense that they make allowance for geographic  
14 differences among the observations."

15 A. What do I mean by that?

16 Q. Yes.

17 A. What I mean by that is that if you do  
18 not make allowance for the geographic differences among  
19 observations you are likely to attribute to specific  
20 output units a certain amount of cost which is not  
21 properly attributable to that cost and which, in fact,  
22 is attributable to the nature of the railway's operations.

23 Q. Well, Dr. Borts, then, it is correct to  
24 say, for instance -- and let us look at it -- accounts  
25 372, 373 and 376, page 10, Dispatching and Station  
26 Employees Expenses -- you are not attempting to reflect  
27 any geographic difference in the accounts I have just  
28 mentioned, are you?

29 A. Let me see. No, sir, that was one  
30 equation where the objection was not based on geography;





1

2 that is correct.

3

4

5

6

7

8

Q. The reason you did not introduce any geographic factor in any equation dealing with those accounts, 372-3-6, Station Employees, is because knowledge tells you that geographic factors are not meaningful in determining what explains cost in this group of accounts?

9

10

11

12

A. Well, that is a rather comforting thought, but actually I did experiment with the equation to see whether geographic factors were important nevertheless, and I found they were not.

13

14

15

16

Q. But knowledge would have told you, I suggest, that if your statistical results showed you there was a geographic factor you would have disregarded these statistics?

17

18

19

20

21

22

A. I am not sure of that. I can think of hypothetical situations where the generation of these expenses would differ in different parts of the railway depending on the nature of the traffic carried. For example, as between carloads and less carloads, and between passenger and freight.

23

24

25

26

27

28

29

30

Q. Do you call that geography?

A. To my mind, any characteristic of the railway's operations which is of a geographic nature, that is to say, if the railway's operations in one part of the country were different from their operations in another part of the country I would not say this reflected the geographic terrain, but I would say a geographic split of the railway's divisions for the





1  
2 purposes of statistical information would be a  
3 meaningful split.

4 Q. I suggest to you in the example you have  
5 used you would not use any geographic split, but you  
6 would put in as an independent variable something that  
7 would capture the variations in costs arising from  
8 carloads or l.c.l., and you would not make a separation?

9 A. I beg to differ with you, sir. I suggest  
10 that the exact nature of the statistical correction you  
11 put in depends on the problem at hand, and there are  
12 occasions where you can capture the effect of geography  
13 without explicitly taking it into account, as I have to  
14 my misfortune on some earlier occasions, and there are  
15 cases where it is better to recognize the effects of  
16 geography explicitly -- rather, better to recognize the  
17 effect of differences in the operations of the railway  
18 in different geographic regions explicitly.

19 Q. Dr. Borts, I suggest to you that if l.c.l.  
20 is labour intensive and that makes it expensive, and  
21 you are looking for what varies that cost, it is not  
22 more labour intensive in one area of Canadian Pacific  
23 than in the other area -- knowledge tells us this?

24 A. Quite so.

25 Q. And, therefore, if you want to reflect  
26 that difference you should take an output measure that  
27 measures l.c.l. throughout the system and get the  
28 larger number of observations that this enables you  
29 to have and upon which to work your equation?

30 A. I am afraid I have to disagree with you.





1  
2 If l.c.l. is on a zero level in some divisions of the  
3 railway which are geographically compact, there are  
4 strong grounds for suggesting another technique to the  
5 one I mentioned.

6 Q. Are you suggesting there are divisions  
7 of Canadian Pacific where l.c.l. is at a zero level?

8 A. No, sir. We were discussing a  
9 hypothetical case.

10 Q. If knowledge tells us that the volume  
11 of l.c.l. is randomly distributed throughout the  
12 divisions of the railway, then are we not back to the  
13 position that you and I agreed indicated that you would  
14 do the whole rather than the parts?

15 A. In those conditions, yes.

16 Q. Now you said, Dr. Borts, in your answer  
17 to me that you were going to rely on your knowledge of  
18 wanting to get different areas -- the geographic  
19 significance: what did you rely on, then, in the  
20 Shops and Engine House Account?

21 A. What page is that?

22 Q. Page 7. What knowledge did you rely on  
23 on that account to say that geography was a material  
24 factor and should have been taken into account in the  
25 determination of the expenses of Shops and Engine Houses,  
26 Maintenance and Depreciation?

27 A. In answer to that question, I would like  
28 to call your attention to the uniform classification of  
29 accounts.

30 Q. I have it, yes.





1

2

A. The 1959 addition.

3

Q. Yes.

4

5

A. The page describing the maintenance of Shops and Engine Houses, which is page number 235, and I believe there are something like 54 elements ---

7

Q. Not page 235?

8

A. Page 98, account No. 235.

9

Q. Yes.

10

11

A. There are something like 54 or 55 elements listed under there as items whose repair would be charged against the Shops and Engine House Account. In addition to that there would be the depreciation on Shops and Engine Houses which would come out of your account 266 which would be added to the maintenance here.

17

Q. Yes.

18

19

20

21

22

23

24

A. And the reason why I felt it was worthwhile to explore the road geography here was because of the vast heterogeneity, not statistically, but simply from the fact there are 55 items -- the vast number of items listed under here and the possibility these items would be a differential geographic representation in the different parts of the railway.

25

26

27

28

Q. Well, Dr. Borts, so that you and I may understand each other -- and we must if we are going to assist the Commission -- heterogeneity does not arrive merely because of numbers?

29

A. Quite so.

30

Q. And so, therefore, what you are saying ---





1  
2 A. I wonder if I could list what the items  
3 are.

4 Q. Well, if you do not mind, I will finish  
5 what I was going to say.

6 A. Surely.

7 Q. What you mean by saying that there is a  
8 large number of different elements of expense, that you  
9 want to therefore reflect by a separation technique  
10 instead of a whole is because you know that these  
11 different items do not apply randomly throughout the  
12 system?

13 A. If you would substitute the word "suspect"  
14 the answer would be, yes -- suspect before the equation  
15 is fitted.

16 May I read some of these elements here?

17 MR. MAURO: I think you should.

18 MR. SINCLAIR: Q. Certainly.

19 A. There is car sheds, car shops, foot  
20 bridges, material and supply, truck tracks, motor crane  
21 tracks, shop offices, oil houses, paint shops, air  
22 interior pipelines, car heating pipelines, shop and  
23 yard platforms, repair houses, sand houses, scale houses,  
24 steam houses, gas tanks, oil tanks, tool houses, track  
25 scales, transfer tables and turntables. That is not a  
26 complete list, by the way.

27 Q. Well, you have given quite a few. You  
28 tell me what makes you suspect that there are more of  
29 those in one area of the country than another on the  
30 Canadian Pacific? What makes you suspect that -- top1





1  
2 houses, for instance, scale tracks, scales -- any one  
3 you want to take? What makes you suspect there are more  
4 in one area than in another?

5 A. I think the answer to that is simply  
6 that I have the feeling that the operating  
7 conditions of the railway are substantially different  
8 in two parts of the country, and that an account as  
9 heterogeneous as this is likely to reflect it. I had  
10 evidence from investigating some of the other accounts  
11 this was true, and I felt in operating with this account  
12 it would be worth while carrying out the same type of  
13 operation.

14 I might call your attention that on page 8 of  
15 this submission we discussed last week with the staff  
16 of the Commission whether it was really worthwhile  
17 bothering with the differences in the coefficients  
18 considering the fact that their magnitudes did not  
19 appear large enough to warrant the conclusion they were  
20 different, and the conclusion of that conversation was  
21 we would leave it up to the staff of the Commission to  
22 decide whether they wanted to.

23 The answer is that I felt the other accounts  
24 were different; therefore, I wanted to look at this  
25 account also.

26  
27 --- A short recess ---  
28  
29  
30





1

2

THE CHAIRMAN: Order, please.

3

4

5

6

7

8

9

A. Correct.

10

11

12

13

Q. In other words, you were prepared to accept statistics without any knowledge that there was in fact different geographical results which would explain costs, shops and engine houses?

14

15

A. Without any specific knowledge on this point, yes.

16

17

Q. Now, with respect to accounts 253-266; power plants?

18

A. That is 253-266, yes, Page 9.

19

Q. Yes, Page 9.

20

A. Yes.

21

22

23

24

25

Q. Accounts 253-266, where you again did a separation instead of whole; what knowledge did you rely on or come to the conclusion that maintenance and depreciation of a power plant differed because of geography in these two comparisons?

26

27

28

29

30

A. If I might bore you again with a reference to the definition of ~~the~~ accounts, let me turn to property accounts number 29 entitled Power Plants, and number 31 entitled Power Transmissions Systems; the maintenance of both of which are included





1  
2 under account 253 and the depreciation on this  
3 cannot be relevant to portions of 266. There are  
4 actually three sets of property accounts there  
5 on page 66 of the Uniform Classification of Accounts.

6 You have, first of all, power plants  
7 structure items, second, dam canal and pipeline  
8 items, and then, third, power transmission systems.

9 Now, among these items, it was clear  
10 that there is a wide variety of functions which  
11 the power plants perform, including -- if I might  
12 again just quote some of the items here: there  
13 are air pipelines in car yards --

14 Q. What do you think those are, Dr. Borts?

15 A. I suspect they are used for heating  
16 cars when they are standing.

17 Q. Yes. Would you expect them to be  
18 any different in the west than in the east?

19 A. They might be different, depending  
20 upon the amount of passenger traffic you use.  
21 You don't heat grain cars, I understand.

22 Q. Do you think that you do not heat  
23 anything but passenger cars, with air on it?

24 A. You might heat stock cars. That would  
25 be the only thing I could conceive of.

26 Q. There are many Goods Equipment that  
27 can be put under heat?

28 A. Yes, but the point here was that steam  
29 heating and things like third rail and third rail  
30 braces, third rail insulation and protection,





1  
2 third rail support transformers, and so forth,  
3 which would have a different geographic representation.

4 Q. You know this?

5 A. No; this, again, is a suspicion and  
6 it was focused upon the fact that there seemed to  
7 be a number of items in these accounts related  
8 to passenger traffic. And this is what led me  
9 to believe that it would be worthwhile to perform  
10 a separation account.

11 Q. But what you are really saying is in  
12 this group of accounts, as distinct from the other  
13 group of accounts, you believe that by looking at  
14 the individual items you thought you saw in those  
15 individual items matters that would not be randomly  
16 distributed across the system?

17 A. Yes, that was one piece of evidence  
18 which I had. The other piece of evidence was  
19 already reported on the top of Page 10, where it was  
20 clear that the independent variables which could  
21 be used were different in the west and in the east.

22 Q. I will come back to that, if you  
23 don't mind, because I think that that is really  
24 the basis upon which you made the separation. Is  
25 that not so? That is the real basis that you  
26 made the separation on?

27 A That is correct, sir. If you are  
28 thinking of an efficient cause, your statement is  
29 correct.

30 Q. Now, you mentioned this earlier, and I





1  
2 think I said I would discuss it with you, and I will  
3 come to it. At Page 3 -- I just want to clear this  
4 away, so I am sure we agree -- you indicated that  
5 you introduced geographic differences in one of  
6 three ways. A. By choosing an independent variable  
7 different to that used by Canadian Pacific in the  
8 regression equation?

9 A. Correct.

10 Q. And the only place, I suggest to you,  
11 that you did that in the six accounts that you  
12 revised, the six equations that you revised, or  
13 the six groups of expenses that you revised was  
14 202, etc.; that is, track maintenance depreciation.

15 A. Let me check that to make sure.

16 Correct.

17 Q. And then, B. That you introduce  
18 a geographic difference by the separation of the  
19 observations into groups to make an east-west  
20 split. That is your B, and in that there were shops  
21 and engine houses?

22 A. Right.

23 Q. Power plant?

24 A. Right.

25 Q. Station employees?

26 A. No, there is no split there.

27 Q. No. Locomotive supplies?

28 A. No, split there.

29 Q. Gross property and road investment?

30 A. Yes, there is a split there.





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

Q. So then, we have the split made in three accounts: shop and engine houses, power plant --

A. 235.

Q. 235 -- 266, power plants? 235 - 266, and gross investment in road property?

A. That is correct.

Q. And you have, then, four of the six.

And, then, your C.

That is the deletion of a certain observation from the sample because of lack of homogeneity in that observation, and the example of that is your 398 400, being train supplies?

A. Train supplies and engine house expenses, that is right.

Q. And, then, that is five. And, then, as you notice, there was one that you did not introduce a geographic factor, and we have discussed that; correct?

A. Which one was that?

Q. That was the one having to do with --

A. Station employees -- oh, yes. Yes. That is correct.

Q. Dr. Borts, you agree that geography is a physical factor?

A. It is partly physical and it is partly a matter of collecting the observations in the meaningful units. As I pointed out earlier, some of





1  
2 these splits were made not because of matters of  
3 terrain but because of the belief that what was  
4 happening in one section of the railroad was different  
5 from what was happening in the other; perhaps because  
6 of the nature of the traffic.

7 Q. Then, what you are saying is that geography,  
8 as you look upon it, is either (a) a physical factor,  
9 or (b) a matter of how the railway operates?

10 A. That is correct.

11 Q. Which, again, is a physical factor,  
12 I suggest?

13 A. Yes, it is, but not a matter of  
14 terrain necessarily.

15 Q. Quite right. I mean, all physical  
16 factors are not terrain. Is that what you are  
17 saying?

18 A. Yes.

19 Q. So, we are agreed that both how the  
20 railway operates and terrain are physical factors?

21 A. All right.

22 Q. So, we can then say geography is a  
23 physical factor?

24 A. I have no objection to saying that,  
25 no.

26 Q. Now, at Page 4 through 7 of your  
27 paper you deal with the account 202, which is  
28 track maintenance and depreciation, and that is  
29 also a matter dealt with in your addendum and which  
30 you put in at the conclusion of your paper in the





1  
2 transcript?

3 A. Correct.

4 Q. And, in dealing with this group of  
5 expenses, track maintenance and depreciation,  
6 you evolved three equations which you numbered 202A,  
7 202B, and 202C?

8 A. Yes.

9 Q. Now, would you please look at your  
10 equation 202A which is on Page 4, and we will  
11 agree that in that equation you have 27 observations,  
12 as compared with the Canadian Pacific equation,  
13 having 31 observations. I have now made the  
14 correction which was referred to in one of the  
15 matters that was filed by learned commission counsel,  
16 and it says: "The value of  $R^2$  with 31 observations  
17 was 0.827". Correct?

18 A. Correct.

19 Q. So that, there are four additional  
20 observations in the Canadian Pacific model to your  
21 model 202A, and also in your model 202A you have  
22 added an additional independent variable?

23 A. That is correct.

24 Q. You agree, Dr. Borts, with the number  
25 of variables and reducing the number of observations  
26 should result in a higher  $R^2$ ?

27 A. Not necessarily.

28 Q Well now, let me see if that is not  
29 so.

30 A. Could you repeat your question on that?





1  
2 MR. MAURO: I do not think he had concluded  
3 the answer.

4 THE WITNESS: I am not sure I understand  
5 your question now. Would you mind repeating it?

6 MR. SINCLAIR: Q. Surely. I said to  
7 you that if you reduce the number of observations  
8 and increase the number of variables you should get  
9 a higher  $R^2$  value?

10 A. Well, ~~that is a~~ theoretically correct  
11 statement, but it does not always happen in every  
12 case .

13 As I said before, if you had two observations  
14 and fitted a straight line to it, you would have  
15 a  $R^2$  of one because you would perfectly explain  
16 all the variation.

17 Q. I suggest to do that you would not  
18 only have to have two observations but two variables?

19 A. Two observations and two variables,  
20 yes.

21 Q. And three observations; three variables?

22 A. Yes, that is right. Thirty-one  
23 observations; thirty-one variables.

24 Q. But, Dr. Borts, you said to me that  
25 my question ~~to you~~ was theoretically right?

26 A. That is correct.

27 Q. Let me put it to you and ask you is  
28 it ~~not~~ also practically right, in a practical  
29 sense as distinct from a theoretical sense, if  
30 you improve the variables you ~~introduce~~ more superior





1  
2 variables? And, also, that you remove heterogeneity;  
3 that in so doing, not in theory but in fact, if  
4 these changes that you make are in fact effective,  
5 the  $R^2$  is improved?

6 A. It is a very hard question to answer, be-  
7 cause it depends what you mean by reducing heterogeneity.  
8 In the statistical sense, your question is absolutely  
9 correct.

10 But, I should explain that we have already  
11 gone over what you mean by heterogeneity. If you  
12 mean by heterogeneity merely variation about the  
13 line or plane that is being fitted to the data,  
14 your answer is correct, that any reduction of  
15 heterogeneity should raise the calculated level  
16 of  $R^2$ .

17 Q. And I suggest to you that if as a  
18 result of your substitution, and if as a result  
19 of your change in independent variables the  $R^2$  is  
20 not improved, that your hypothesis must necessarily  
21 be wrong; either that your alternative variables,  
22 explanatory variables, are not superior or that  
23 you have not, in truth, removed heterogeneity or  
24 both?

25 A. The answer is that if you get a lower  
26  $R^2$  from this procedure, then your explanatory variables  
27 are not superior in raising the  $R^2$ , and that you  
28 have not reduced the statistical heterogeneity  
29 which this sample generates; that is correct.

30 Q. Now, Dr. Borts, notwithstanding the





1  
2 additional observations in the Canadian Pacific  
3 model, that is four, as shown, it is the difference  
4 from 27 in your model and 31 in the Canadian Pacific  
5 model; and notwithstanding the fact that you are  
6 working with five explanatory variables in yours  
7 and four in the Canadian Pacific model, the  $R^2$   
8 which you developed was not improved over the  
9 Canadian Pacific model, but was in fact not as good?

10 A. That is correct. It is three percentage  
11 points lower.

12 Q. Now, on Page 5, Dr. Borts, you  
13 state, in regard to your equation 202A, and I am  
14 quoting you:

15 "The equation we have fitted indicates that  
16 a substantial portion of track maintenance expense  
17 is explained by the geographical nature of CPR  
18 operations. This influence is captured in our  
19 equation by the variable which measures Investment  
20 in Tunnels, Bridges, and Culverts."

21 I suggest to you, Dr. Borts, that the  
22 data shows that the average gross investment,  
23 per division, in Canadian Pacific in bridges, tunnels,  
24 and culverts is approximately the same, east versus  
25 west?





1  
2 A. I am afraid, sir, that my figures do not  
3 show that unless we can agree on what you mean by  
4 "approximately"?

5 Q. Well, I mean the difference is not  
6 significant in the handling of the statistic.

7 A. Well now, we have been using "significant"  
8 in a very narrow sense. I did not use any statistical  
9 test, I simply looked at the figures and saw that there  
10 is approximately-- my figure is about \$20 million per  
11 division. Would that be correct?

12 Q. I would suggest to you ---

13 A. This is on a one year basis. My data  
14 was on a one year basis and I think the difference in  
15 the mean was about \$60 million in a three year period or  
16 \$20 million on a one. You could check that.

17 Q. Are you sure when you made your division  
18 that you made the proper divisor by looking at the  
19 actual count east versus west?

20 A. This is the sample mean, yes. I could  
21 look it up if you like.

22 MR. MAURO: Yes, perhaps you had better look  
23 it up.

24 THE WITNESS: No, I am afraid I have not got it  
25 with me now; I did not bring my sheet of sample means  
26 with me. I have it over in the hotel.

27 MR. MAURO: You have it in the hotel?

28 THE WITNESS: Yes, if you want it.

29 MR. SINCLAIR: Now, you took in your  
30 equation to a gross investment?





1

2

A. That is correct.

3

4

Q. You will have that other material after lunch?

5

A. Yes, I will get it.

6

7

8

9

10

Q. Now, Dr. Borts, we can agree that the investment in a bridge or culvert depends upon the weight that it is made to carry over it and that, therefore, the investment in part reflects the density of the line on which it is installed?

11

12

A. No doubt, that is if it is correctly designed it would, yes.

13

14

Q. You have no reason to suspect they were not correctly designed on Canadian Pacific?

15

A. No, sir.

16

17

18

19

20

21

22

23

Q. Now, Dr. Borts, we can agree that will be an investment in bridges in flat country as much as there is in more difficult terrain. For instance, on the Canadian Pacific a substantial bridge near Lethbridge and another substantial bridge near Edmonton and another one at Saskatoon. You agree that there is substantial investment in bridges, individual structures, even in flat country?

24

25

A. Oh yes, wherever you have a river you have to have a bridge.

26

27

28

Q. Aside even from rivers, I suggest to you that because of the terrain in certain flat country there is great ---

29

30

A. Yes, you might have rolls which you would want to cover with a bridge.





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

Q. Gullies?

A. Yes.

MR. FRAWLEY: There is certainly a bridge at Lethbridge and one at Edmonton, I know.

MR. MAURO: A small one at Saskatoon.

MR. SINCLAIR: Q. Now, the number and size and, therefore, investment in culverts is not, I suggest to you, a matter of terrain.

A. That is partly that though it does not have to be that. Could we, by the way, for the sake of the Commission, list what is covered in investment in bridges and culverts?

Q. Yes.

A. I know it is boring but it may help.

Q. It certainly is not boring, go ahead.

A. Abutments, bridge signs, cofferdams, concrete and masonry ends for culverts, cribs, decking including gravel for fire protection, dike protection, drainage systems, drawbridge engines and machinery, draw protection, false work, guard timers, ice breakers, painting (except repainting), piers and foundations, pier protection; pipe culverts, retaining walls, rip-rap around abutments, rip-rap at culvert ends, supports, water channels, waterproofing, wing dams, wing walls.

Q. Now, I suggest to you that with a very elementary knowledge of engineering it would indicate that that type of matter is not caused by any geographical differences. If you are going to have a bridge under which there is ice in the river you are





1  
2 going to have have an ice-breaker; if you are going to  
3 have unstable banks on a bridge what you are going  
4 to have is rip-rap?

5 A. Oh, I agree, these are represented all  
6 over the railway, they would have to be.

7 Q. Now, I was asking about culverts;  
8 culverts either as to number or size are not brought  
9 about by difference in terrain, I suggest to you.

10 A. Well, I do not know how you get up  
11 around these hills then.

12 Q. Let me suggest to you that, for instance,  
13 if you set out to operate roads on a section basis along  
14 a two mile basis you are going to have roads crossing  
15 over the railroad and ditching right off the bat  
16 that requires culverts?

17 A. Yes, that is correct.

18 Q. I am going to suggest to you also that  
19 if you have an irrigation situation or flue for the  
20 movement of commodities into lakes that once again you  
21 are going to have culverts and those are not matters  
22 of terrain?

23 A. Agreed. When you say they are not  
24 matters of terrain you mean they are going to be in  
25 existence wherever there is a railroad.

26 Q. Yes.

27 A. We are perfectly agreed on that. We  
28 are arguing over the quantity, not the presence of these  
29 items.

30 Q. I am glad you brought to my mind the





1  
2 quantity. You mean quantity in dollars?

3 A. That is correct.

4 Q. Now, you know on the Canadian Pacific  
5 that some bridges, some culverts, some tunnels, the  
6 various items that you have referred to as taken up  
7 in this group of accounts were built at very different  
8 times in the history of Canadian Pacific.

9 A. That is right.

10 Q. And at very different price levels?

11 A. That is right.

12 Q. Did you, in using this investment gross,  
13 adjust for price level?

14 A. No sir, nor did I adjust the depreciation  
15 figures either.

16 Q. I asked you about gross investment.

17 A. I am sorry. No adjustment was made on  
18 these figures for differences in the price level when  
19 the item was written into the account and the present  
20 price level.

21 Q. Now, in account 202, track and roadway  
22 maintenance expenditures for the maintaining of track  
23 of Canadian Pacific, is it the only factor that would  
24 have any real effect on track maintenance expenses that  
25 was not randomly distributed, suspected, the only one  
26 that should really concentrate on curvature -- take  
27 a good look at that. You would not disagree with that?

28 A. By curvature you mean the effect of  
29 super elevation on the wear on the outer rail and the  
30 shift ---





1

2

Q. The difficulty of lining?

3

4

A. The result of shifting from one rail to another.

5

Q. Plus lining and service?

6

7

8

9

10

A. Yes, that is right, a fair statement but I still would be worried about grades because of the use of sand in as much as you charge down this grade to get up the next one. That is the railway practice, of course.

11

12

13

Q. Do you suggest that sand is only used on gradients? We are in a diesel operation, are you talking about braking?

14

A. Yes, the braking.

15

16

Q. Well, did you know that diesels use the same method as you do in your car?

17

COMMISSIONER BALCH: Dynamic.

18

THE WITNESS: Yes, degenerative breaking.

19

20

MR. SINCLAIR: Q. Do you think you use sand in that?

21

22

A. You do not have diesels only in your cost studies, it has a lot of steam in it.

23

24

Q. But in the mountains where you see these big grades, how many?

25

26

27

28

A. I could not answer that, I was not told where the diesels were used. We were told there are diesel locomotives-- steam locomotives in the cost study.

29

30

Q. Were you also told that the Canadian Pacific at this time was fully dieselized in British





1  
2 Columbia.

3 A. If I was told that it did not register  
4 but if I was told I would like to see the reference to  
5 it.

6 Q. In any event, if that was a factor ---?

7 A. Yes, that would be important.

8 Q. Then when you were talking about curvature,  
9 it is not only curvature arising from different levels  
10 but curvature arising from different matters such as  
11 turnouts?

12 A. That is right.

13 Q. And knowing the Canadian Pacific, are  
14 you suggesting that turnouts bring about problems in  
15 lining and surveying and rail wire are not effectively  
16 distributed across the system?

17 A. They are in existence wherever you have  
18 a railroad unless the railroad is straight track and  
19 we know that there are very few examples of that.

20 Q. And if it was said by the engineer of  
21 track that curvature on Canadian Pacific did not make  
22 any significant difference in explaining the depreciation  
23 and expenses and that this was not a disturbing factor  
24 that had to be taken into account specifically, you  
25 would disagree with that?

26 A. I would like to sit down and have a chat  
27 with him. I can explain why because very frequently,  
28 as last week's cost conference showed, when you sit  
29 down and can talk with these people you see the bases  
30 of their ideas and can get a good idea of how strongly





1

2

they are held and what the underlying data are.

3

4

5

6

7

Q. Because we would agree, Dr. Borts, that an engineer of track for this system, it is one of his duties to know what causes maintenance and track expenses and to take action to restrict that expense and to operate as efficiently as he can.

8

A. That is his responsibility, sir.

9

10

11

12

13

Q. In the light of this discussion which we have just had, I suggest to you that the "k" test, knowledge and experience, indicates unequivocally that gross investment does not explain the geographical effect on track maintenance and depreciation expenses.

14

A. Do you want me to answer yes or no?

15

Q. You answer whichever way you would like?

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

A. Well, you really have three separate questions in there and, again, I would like to refer back to the cost conference where everyone agreed that if we have a suitable variable to use in the regression equation it would be a physical variable. My use of the variable investment in tunnels, bridges and culverts arose from the absence of such a physical variable so we really have two issues at hand. One is where geography is important, and second, if it is important how we measure its effect. I would argue that the use of this investment variable has successfully captured the effects of geography and that while the engineer of track states, from his experience, that geography -- or as he put it, curvature -- has no effect on maintenance, the reason I would like to talk to the





1  
2 engineer of track is because I do not think he has been  
3 given the right question.

4 Q. Let me see ---

5 A. The question that you have to put to the  
6 engineer of track is "How do you split the effect of  
7 traffic on maintenance from the effect of geography  
8 on maintenance?".

9 Q. Well now, you said that you would argue  
10 that your gross investment in bridges, tunnels and  
11 culverts captured the effect of geography.

12 A. Yes, sir.

13 Q. And you said you would look upon  
14 geography as curvature in this track maintenance account.

15 A. No ---

16 MR. MAURO: Just let him ---

17 MR. SINCLAIR: Q. Just let me finish the  
18 question and I do not think he will disagree that the  
19 effect of geography was measured by curvature and  
20 possibly grading, is what you said, that is the other  
21 addition you added to it, and possibly grading.

22 A. If I may I would like to add further  
23 effects which geography might produce.

24 Q. You would like to add that now?

25 A. Yes. You have erosion.

26 Q. Erosion of what?

27 A. Of subgrades.

28 Q. Yes?

29 A. You have repairing wash-outs, repairing  
30 road beds damaged by wash-outs, you have removing





1  
2 dangerous rocks, removing slides, the cost of repairing  
3 the road bed damaged by wash-outs, all of which are part  
4 of it because of weather.

5 Q. And what I am suggesting to you is that  
6 you agreed you would have these things wherever there  
7 was a railway and in so far as maintenance was concerned  
8 these matters were not significantly affecting the group  
9 of accounts and expenses we were dealing with. I thought  
10 we agreed.

11 A. We agreed that the railway has these  
12 items everywhere you have a railway. My position is that  
13 in getting over and through the mountains you are going  
14 to have more of them.

15 Q. You think you are going to have more  
16 rock slides in the mountains than on the prairies?

17 A. More rock slides, more wash-outs, more  
18 difficulty in making track repairs in snow sheds.

19 Q. Let me suggest to you that on the CP  
20 there is substantial difficulty with wash-outs on the  
21 prairies.

22 A. I can well believe that.

23 Q. And the very nature of a flat terrain  
24 that the prairies are made out of tells us, from  
25 experience in studying history, are the places where  
26 flash floods are the most dangerous.

27 A. That is fine. I would add that to my  
28 argument as to the effect of geography.

29 Q. And it is no more difficult than they  
30 have in the mountains and that one balances the other.





1  
2 A. This might very well be true, that is  
3 fine, and geography is important in the prairies also.

4 Q. Do you suggest in the east there are no  
5 such matters to be concerned with when we look at the  
6 basin that flows into the Great Lakes?

7 A. It might very well be true but in  
8 western Canada you have this heavy concentration of  
9 investment which is associated with a large amount of  
10 the traffic maintenance combined with the information  
11 we have on geography. This very strongly suggests a  
12 relationship which the statistical techniques supported.

13 Q. Well, Dr. Borts, I am going to suggest  
14 to you that as we have agreed that density in part in  
15 these, for instances, bridges, is a reflection of  
16 density, that what you have involved yourself in is  
17 linearity.

18 A. If you will look at the bottom of page  
19 5 of my precis you will see a denial of that position.

20 Q. Well now, Dr. Borts ---

21 A. I will read it for you.  
22  
23  
24 -  
25  
26  
27 -  
28  
29  
30





1  
2 A. "Further, it should be noted that there is  
3 no significant correlation between this investment  
4 account on the one hand and any of the following  
5 variables taken individually: Gross ton-miles, yard  
6 and train switching miles, or miles of track."

7 Q. Yes, but mile of track -- what?

8 A. Miles of track.

9 Q. You are going to say there is no  
10 relationship between miles of track and the traffic  
11 that moves over the railway -- that your statistics  
12 show you that?

13 A. Oh, no, that is not what I said here.  
14 There is no correlation between this investment account  
15 on the one hand and any of the following variables  
16 taken individually: in other words, gross ton-miles,  
17 and then yard and train switching miles, and then  
18 miles of track. Each of these correlations is  
19 not significantly different from zero. As a matter  
20 of fact, gross ton-miles and miles of track are  
21 highly correlated in Eastern Canada but not in Western  
22 Canada.

23 Q. What you are saying is that the statistical  
24 correlation tells you this. I am asking you to  
25 apply the K test, and that tells you that statistics,  
26 no matter what it tells you is just wrong because,  
27 as you say, there is in fact a reflection in investment  
28 in road property and gross ton-miles?

29 A. I am afraid I don't understand your  
30 question, sir. Could you rephrase it.





1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

Q. I will try. What you are saying is that the statistics say to me -- Dr. Borts -- that in the west as distinct from in the east there is no relationship between gross ton-miles and investment in road property -- no correlation.

A. No, sir. There is no correlation between gross ton-miles and investment in tunnels, bridges, and culverts.

Q. And bridges, tunnels and culverts reflect density? Density is reflected also in miles of track. I am just applying ---

A. This is a logical chain of reasoning which you have adopted but which runs up against the numbers. When you have a conflict of this sort you can throw out the numbers or the chain and I leave it to you to make the choice.

Q. Well, I accept "logic". Thank you very much, and you are not surprised.

MR. MAURO: No.

MR. SINCLAIR: Q. Dr. Borts, we will agree on this, that an analyst must not blindly follow statistical results?

A. That is correct.

Q. He, the analyst, must be wary that he does not get spurious correlations and accept them as being meaningful?

A. That is correct.

Q. In your equation 202A you altered the equation by eliminating miles of track.





1

2

A. Correct.

3

4

Q. And you substituted miles of track for one hundred dollars of investment?

5

A. In tunnels, bridges and culverts.

6

Q. Yes.

7

A. Yes, sir.

8

9

Q. Maybe we can see where my chain of logic was taking me: ~~the effect~~ of doing that was to bring about a minimum maintenance cost per mile of track of a reasonably low level, and you point that out on Page 6?

10

11

12

13

A. We agreed on that, yes sir.

14

15

Q. That, you said, was a minimum maintenance cost per mile of track of \$468?

16

A. \$468.97.

17

Q. Yes.

18

19

A. That is pointed out on page 6 in the second paragraph.

20

21

22

23

24

Q. My suggestion to you is that if your equation used miles of track as an independent variable without trying to introduce extraneous matters such as investment in bridges and tunnels, the result would give you a figure of approximately \$1100?

25

26

27

A. You are probably correct in that too -- that is, in your number; not in your use of the word "extraneous".

28

29

30

Q. I understand. I am not surprised. There was no bite in the word "extraneous". My suggestion to you is that in view of what you said to





1  
2 me earlier of the inter-relationship between the  
3 co-efficients, the fact that you on your own model  
4 found the mile of track maintenance cost of only  
5 \$469 to be improper and unrealistic, in view of  
6 the inter-relationship of co-efficients, that we  
7 agreed earlier that this should in itself have been  
8 enough to have you, as the analyst, reject your  
9 equation 202A?

10 A. Right, which I did.

11 Q. Thank you. Just for a minute take a  
12 look at equation 202B?

13 A. Yes.

14 Q. You said on Page 7 of your paper that  
15 this equation or model of yours, 202B, indicates  
16 that differences in gross ton-miles -- and I am  
17 reading: "...that differences in gross ton-miles  
18 among divisions are not useful in explaining  
19 differences in track maintenance."

20 Do you see that?

21 A. What line is that, sir?

22 Q. It is the second paragraph, the fifth  
23 line.

24 A. Yes, I see that.

25 Q. "...differences in gross ton-miles among  
26 divisions are not useful in explaining  
27 differences in track maintenance."

28 A. Yes.

29 Q. What that says, Dr. Borts, is that  
30 the volume of the traffic moving over the track is not





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

reflected in maintenance expenses?

A. It doesn't say quite that. What it tells me is that the amount of work done on these divisions is captured by the other work variable we have and that the gross ton-mile figure does not give me any additional information.

Q. Let us look at your number and let us take the explanatory variables and see what it says?

A. If you turn to 202B you will see the work unit is yard and train switching miles.

Q. Well then, Dr. Borts, if I have a railroad, what you are saying to me is where I do only road hauling and I don't do switching, then I have no maintenance expenses on account of work done?

A. No, sir; that would be a very simplified and unfair interpretation of any regression equation derived from divisional observations.

Q. Well, Dr. Borts, you say that the variable switching picks up maintenance. I suggest to you that switching as an output unit cannot pick up road haul and the maintenance that is required by the movement of traffic over the line, by definition?

A. By definition, no, not at all. I think what we are doing is looking at two different problems and thinking they are the same problems. One problem is the goal of the cost analyst to identify the variation in cost with specific service units.





1  
2 The other problem is the one we are dealing with now,  
3 namely, taking a regression equation derived from  
4 a group of divisions and trying to see what the work  
5 unit tells us -- how much of the variation in expense  
6 is explained by the work unit. I was quite disturbed  
7 by this because I felt because this equation did  
8 not give me a gross ton-mile work unit it left me  
9 quite unhappy. But the purpose of computing the  
10 equation was, however, as a check on the track  
11 maintenance figure.

12 Q. But once again, Dr. Borts, are we  
13 not up against this problem that no matter what  
14 statistics tell us we have to test that by what we  
15 know?

16 A. This is always correct, but we may  
17 think we know something which we think is applicable  
18 to the situation, when actually, if you turn the  
19 problem around, it is not really applicable.

20 Q. Let me test it by a very homely example  
21 which I think will assist me. We know that there  
22 is a high correlation in Sweden by the number of  
23 births and the number of storks' nests; we know  
24 that -- you know that, don't you?

25 A. I don't know, but I would take your  
26 word for it.

27 Q. All right. Notwithstanding that high  
28 correlation between the number of storks' nests  
29 and the number of human births in Sweden, the K test  
30 tells us, doesn't it, statistics notwithstanding,





1

2

that we must not assume that stork nests, and therefore,

3

storks, have anything to do with human births;

4

correct?

5

A. You are shattering one of my favourite

6

illusions.

7

Q. Well, I know this, Dr. Borts, that

8

it is always the job of a man of knowledge to shatter

9

the illusion of a person who relies on statistics.

10

MR. MAURO: And you are the man of knowledge,

11

Mr. Sinclair? Oh, the humility.

12

THE WITNESS: My wife will never believe

13

this.

14

MR. SINCLAIR: Q. Let us give you another

15

one, then: we know this -- and this is down in

16

your country -- that the consumption of alcohol

17

in the United States is highly correlated with teachers'

18

salaries?

19

A. They say that work is the curse of

20

the drinking class.

21

Q. You would not accept that statistic,

22

except as a happenstance?

23

A. It may be very significant, however.

24

Q. It may be very significant if, in fact,

25

it makes sense?

26

A. Yes.

27

Q. In Canadian Pacific you know, Dr. Borts,

28

that in respect of traffic moving over the line

29

the number of sectionmen, for example, per mile of

30

track is varied?





1  
2 A. Yes.

3 Q. And I suggest to you that your equation  
4 said that there are as many sectionmen -- and they  
5 are an element in track expense -- there are as  
6 many sectionmen where the traffic is low as there  
7 are where the traffic volume is high?

8 A. Are you holding the yard switching  
9 miles constant when you say that?

10 Q. Yes, relatively constant in relation  
11 to the volume of traffic.

12 A. Well, I think we are in agreement.  
13 I think we are agreed that this equation does not  
14 permit us to attach any costs to a running service  
15 unit, and that if we could attach it to a running  
16 service unit we would be happier, and this is one  
17 of the reasons the equation was dropped.

18 Q. And you reject it because of that?

19 A. Yes, partly because of that and partly  
20 because of the fact we wanted to get to a more  
21 realistic figure of minimum track maintenance, which  
22 we did, as described in the addendum.

23 Q. Well, we will discuss that, if we  
24 may, as to the realism of the figure, after the  
25 luncheon adjournment.

26  
27 ---Luncheon adjournment.  
28  
29  
30





1  
2 --- On resuming at 2 p.m.

3  
4 THE CHAIRMAN: Order, please.

5 MR. SINCLAIR: Q. This morning, Dr. Borts,  
6 we were discussing gross investment in bridges, tunnels  
7 and culverts, and you said, well, you had the figures  
8 but they were not available at the moment, and you  
9 would look them up at the luncheon adjournment. You  
10 have done so?

11 A. Yes.

12 This is the gross investment in bridges,  
13 tunnels and culverts per operating division in the  
14 east and in the west. It excludes the terminal  
15 division; and they are approximately the same. The  
16 average in the east is \$5.1 million dollars; in the  
17 west, it is \$5.09 million dollars.

18 Would it be possible to describe the  
19 variation among the division in this regard?

20 MR. MAURO: You go ahead.

21 THE WITNESS: In the west, the variation  
22 around that \$5 million dollars is between \$2 million  
23 dollars in Regina and \$15.7 million dollars in the  
24 Revelstoke division; while in the east the variation  
25 is between \$2.3 million in the Woodstock division, as  
26 compared to \$8.5 million dollars in the Sudbury division,  
27 so there is a much wider range in the west; a much  
28 larger standard deviation about the mean.

29 One of things which called my attention to  
30 the role of this factor was the unusual figure in the





1  
2 Revelstoke division.

3 Q. While in the east, were you struck by  
4 the high investment, for instance, in the Dominion-  
5 Atlantic division?

6 A. Yes, that was \$3.8 million dollars.

7 Q. Yes. And that certainly is not a  
8 mountainous country?

9 A. That is not mountainous; that is correct.

10 Q. We were going to then discuss, Dr. Borts,  
11 your model 202C?

12 A. Yes.

13 Q. I take it from what we have said that  
14 on reflection and in the light of the results that you  
15 received on your 202A model and your 202B model, that  
16 you came to the conclusion that they were not truly  
17 meaningful and that you determined them to introduce  
18 other variables and to explain the behaviourism of the  
19 expense track maintenance and depreciation?

20 A. That is correct.

21 Q. In doing this, you dropped from your  
22 202A model three of the independent variables and you  
23 substituted one?

24 A. Yes.

25 Q. And you made a special calculation in  
26 respect of the two factors that were dropped in dealing  
27 with the track maintenance and depreciation expense?

28 A. That is correct.

29 Q. So, in 202C, what you did with respect  
30 to minimum track maintenance expense was you developed





1  
2 a figure and you deducted this from the dependent  
3 variable track maintenance expense?

4 A. I and Mr. Banks developed the figure,  
5 but I carried out the calculations which you describe,  
6 yes.

7 Q. If the calculation for minimum track  
8 expense, apart from the \$742.00 that you deducted from  
9 the dependent variable expense was wrong I suggest to  
10 you that this makes the co-efficients in your equation  
11 wrong?

12 A. Oh, I would agree with that.

13 Q. You would agree with it?

14 A. Oh, certainly.

15 Q. Now, I suppose, Dr. Borts, that if you  
16 had instead of deducting \$740 odd from the dependent  
17 variable for minimum track expense, but that you had put  
18 minimum traffic expense as an independent explanatory  
19 variable in the equation, the figure for that minimum  
20 track expense would have been approximately the same  
21 figure as you would have developed for minimum track  
22 expense on your other equations; namely, approximately  
23 1,100 odd dollars per mile of track?

24 A. I do not think your statement is clear.  
25 Let me rephrase it, and I will agree to it. All right  
26 --- if I had instead of adopting this procedure used  
27 the track mileage as an independent variable, then it  
28 is very likely that the co-efficient of that variable  
29 would have been in the range of \$1,137.00; that is  
30 correct.





1  
2 Q. And that would have been approximately  
3 the same figure as that independent variable working in  
4 your equation 202B; would it be? Not too far off?

5 A. That is the same hypothetical question  
6 applied to 202B; if in 202B I had used track mileage,  
7 we would have gotten in that range.

8 Q. Yes.

9 A. This is certainly possible, yes.

10 Q. Now, Dr. Borts, am I correct in this:  
11 that only in 202C of the models that you have presented  
12 to this Commission; that only in 202C have you not used  
13 an independent variable, but have made a calculation  
14 and deducted the amount extraneous of the equation  
15 development from the dependent variable?

16 A. That is, this is the only case where we  
17 use the dependent variable, which was other than the  
18 same dependent variable that the railway used in its  
19 co-relations?

20 Q. Or, it is the only dependent variable  
21 that have had deducted from it an adjustment extraneous  
22 of the classification of accounts group?

23 A. Yes, I believe that is correct; yes.

24 Q. Now, looking at your equation 202C,  
25 I suggest to you that if you had included mile of track  
26 variable instead of deducting, as we have been talking  
27 about, from the dependent variable the amount for  
28 minimum track maintenance per mile of track, you would  
29 have got a significantly higher  $R^2$  from your equation,  
30 and you would have also had statistically significant





1

2 values of T.

3 A. Well, I had not done this but I will grant  
4 you the possibility of this occurring.

5 Q. Well then, assuming that that is right,  
6 that you would have got a higher R value and statistically  
7 significant values of T by putting this mile of track  
8 into the equation as an independent variable, why would  
9 you, as a statistician analyst, not have done that and  
10 received higher statistical values from the statistical  
11 tests?

12 A. Higher statistical values of what, sir?  
13 You mean why did we not proceed in that fashion?

14 Q. Yes.

15 A. Well, the answer is that we felt that  
16 proceeding in this fashion gave us a figure -- would give  
17 us a figure for minimal track maintenance which was above  
18 the figure which we felt to be the threshold cost of  
19 track maintenance.

20 After all, the major use to which the railway  
21 puts the track maintenance figure is costing out what  
22 is called the track maintenance expenditure on solely  
23 related branch lines, and we felt that a direct  
24 calculation of the threshold maintenance cost on solely  
25 related branch lines would be a more accurate procedure.

26 Q. But you see, Dr. Borts, I think that it is  
27 my fault -- my point to you was this. Leaving for the  
28 moment aside; what I am going to say is knowledge  
29 extraneous of the statistics. To determine what you are  
30 going to do by applying statistics alone -- that is,





1  
2 statistical tests -- you would have had better results  
3 by putting into your equation a mile of track independent  
4 variable?

5 A. That is very likely, yes.

6 Q. Then ---

7 A. But the -- let me ask you one thing.  
8 Better results than what?

9 Q. Then what you got from the ---

10 A. Oh, but I think you are comparing two  
11 dissimilar figures. This .69, which I take it you are  
12 pointing to, on page 2 of my addendum refers to a  
13 different variance with the .827 which occurs on page  
14 4.

15 In other words, you cannot just say, "Here  
16 is 69, and here is 83; one is smaller than the other".

17 Q. I was not putting that to you, Dr. Borts.  
18 I was taking your own equation. I was not  
19 taking your equation and comparing it with our  $R^2$  values  
20 in the Canadian Pacific equation.

21 I was taking your own equation and dealing with  
22 it in this way: instead of adjusting your dependent  
23 variable; leave your dependent variable without  
24 adjustment, but put into your equation as an independent  
25 variable a mile of track?

26 A. Well, the answer is you would use the  
27  $R^2$ , but you would also raise the multiplicant against  
28 which the  $R^2$  is being applied.

29 Q. This is right, but what I am saying ---

30 A. It is quite true that if I had left this





1  
2 account unadjusted and followed the procedure you  
3 suggested, I would get a higher  $R^2$ , but the point is  
4 that this procedure is also a way of accounting for  
5 variation.

6 Q. You say this procedure -- you mean the  
7 procedure you adopted?

8 A. Yes.

9 Q. But the procedure you adopted was working  
10 extraneous of statistics to arrive at one of the  
11 explanations of the variability of expense track  
12 maintenance and depreciation?

13 A. That is correct, sir.

14 Q. And so my question to you, Dr. Borts,  
15 was that you set aside statistics in this case and  
16 applied what I would say experience and knowledge outside  
17 of statistics to arrive at your results?

18 A. That is correct.

19 Q. And as we agreed, the validity of this  
20 whole 202C is materially affected and would not be  
21 proper if this calculation 742 as the minimum  
22 maintenance is wrong?

23 A. That is correct, sir.

24 Q. Well, in 202C you made a choice of  
25 train miles as an explanatory variable instead of gross  
26 ton miles? Correct?

27 A. That is right.

28 MR. MAURO: I was wondering, Mr. Sinclair,  
29 for the aid of the Commission it is the second page of  
30 the addendum. Commissioner Anscomb, it is page 2 of the





1  
2 addendum.

3 COMMISSIONER ANSCOMB: Thank you.

4 MR. SINCLAIR: I am sorry, sir. It is my  
5 fault. It is on the addendum; the 202 model.

6 Q. If I may recapitulate for a moment, Dr.  
7 Borts, what you did -- Commissioner Anscomb, the witness  
8 has said he took out as an independent variable gross  
9 ton miles and substituted train miles.

10 Now, Dr. Borts, you agree, I take it, that  
11 in track expense, which is the dependent variable we  
12 are discussing and that you were explaining with these  
13 dependent variables that track expense is affected by  
14 the speed of trains?

15 A. Unquestionably.

16 Q. You also agreed, Dr. Borts, that track  
17 structure, maintenance rail joints, switching points,  
18 other track elements are affected by the number and the  
19 weight of the cars and locomotives passing over them?

20 A. I would use the word "axles" but we would  
21 be agreed completely. It is the number and weight of  
22 units passing over.

23 Q. Now, Dr. Borts, I suggest to you that  
24 by taking train mile instead of gross ton mile, in view  
25 of your answers to me, you are saying that you have not  
26 given effect to the fact whether a train is being pulled  
27 by a train master of over 2,000 horse power or a road  
28 switcher of 800 horse power?

29 A. Nor have you, sir, since the gross ton  
30 mileage figure that we are all using is a trailing ton





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

mileage.

Q. So, up to there they are even. But you have not, I suggest to you, made any difference as to whether the train that is being pulled is one of 20 cars of one of a 100 cars.

A. That is correct.

Q. Or whether the cars being pulled in the train are loaded or empty?

A. Correct.

Q. In fact, what is disregarded is the number of cars; the weight of the cars; and in effect what we get down to is saying, Dr. Borts, that the explanation of track maintenance in regard to traffic moving over the line may be explained by counting cabooses?

A. If each train had a caboose -- caboose miles, sir.

Is it relevant to introduce certain material --?

MR. MAURO: Dr. Borts, you keep asking Mr. Sinclair -- do the things you think would be helpful to this Commission, Dr. Borts.

MR. SINCLAIR: I want to say to you, Dr. Borts, if you feel you want to add anything, I certainly wish you would do so.

THE WITNESS: All right, fine.

I would like to take a few minutes to add the reasoning behind our procedure in this regard, because we realize it is a controversial issue, and I might add





ANGUS, STONEHOUSE & CO. LTD.  
TORONTO, ONTARIO

Borts, cr.ex.  
(Sinclair)

20376

1  
2 it is an issue that is not really settled among railway  
3 engineering people.

4 I would like to quote from a text entitled  
5 "Railroad Engineering" by Professor William W. Hay.  
6 He was at the time this book was written Associate  
7 Professor of Railway Civil Engineering at the University  
8 of Illinois. The book was published in 1953 by John  
9 Wyley and Sons, and I am quoting from pages 28 and 29,  
10 where he says that:  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30





1

2

"Cost per train mile is used extensively

3

in the following chapters in comparing the

4

effects of distance, curvature and gradient --"

5

Q. Of what?

6

A. Upon the cost of running the train.

7

He does not distinguish on this point.

8

Q. Costs of running the train?

9

A. Yes, all costs of running the railway.

10

Q. What we are talking about here, you

11

will agree, is track maintenance?

12

A. Let me finish the quotations:

13

" Cost per train mile is a satisfactory unit  
for such comparative studies".

14

15

That is on Page 30. At Page 368 in conjunction with

16

rail life, the life of rail, he says:

17

"Gradient has an effect on rail wear, excessive

18

~~wear and abrasion~~ result from the use of sand

19

and heavy brake applications."

20

At Page 368 he also says:

21

"If the effects of rail defects are excluded

22

the service life of a rail varies with the

23

traffic, that is with the tonnage, the

24

axle loadings to speed the amount of curvature

25

and the difficulty of maintenance."

26

Now, in checking this out what we did was to look

27

at the figures on axle loadings which can be derived

28

from both the source which I have just quoted and

29

from the operating statistics of the different

30

railways. We had to use operating statistics on box





1  
2 cars for American railways but I think they are  
3 such that they can be applied here to see what the  
4 difference in axle loadings were. I would like to  
5 mention this now; I am going to mention steam  
6 locomotives because I understand they were in the  
7 grain service at the time the cost study was carried  
8 out although they probably have been withdrawn by  
9 now. No allowance has been made for that fact either  
10 by ourselves or the railway. On a Baldwin freight  
11 locomotive ---

12 Q. This is Baldwin steam freight?

13 A. Baldwin steam freight locomotive,  
14 a 4842 locomotive the axle loadings on the drivers  
15 would be thirty-six tons per axle. On the leading  
16 and trailing axles it would be twenty-seven tons  
17 per axle. On diesel units the axle loadings are  
18 naturally smaller. On an electro-motive division  
19 diesel engine, a 1500 horse power electro-motive  
20 the axle loading would be 28.8 tons per axle. On  
21 a GE 5400 horse power diesel ---

22 Q. We have not any of those in Canada.

23 A. All right, we will stick to the EMD's.  
24 As far as cars are concerned, on box cars which have  
25 a load of 50 tons -- that is the U.S. average capacity  
26 and I realize it is slightly lower than the grain  
27 average but I will give you that in a moment -- on  
28 box cars that have a load of fifty tons the axle  
29 loading is eighteen tons per axle or ten tons per  
30 axle short of the diesel loading or eighteen tons





1  
2 per axle short of the steam loading. That is a  
3 loaded box car.

4 On an empty box car the axle loading would  
5 be about six tons.

6 Q. That is taking on tare of what?

7 A. A tare of twenty-four and the other  
8 types of cars would vary around that, that is,  
9 dependent on whether they were loaded or empty.

10 Now, taking into consideration the fact that the  
11 average load per car, that is the average ton mile  
12 per car mile on the Canadian Pacific which is  
13 about thirty-two tons, I believe --

14 Q. Exclusive of grain?

15 A. Exclusive of --

16 Q. 31.3, I think, exclusive of grain;  
17 fifty-four tons grain, is that about right?

18 A. Just a second and I will check it.  
19 This is the Canadian Pacific Railways report to the  
20 Dominion Bureau of Statistics and for 1958 we have  
21 average ton-miles per loaded car mile is 32.5  
22 and that does not include any empties.

23 Q. My question was, the figure I was  
24 trying to give you was exclusive of grain and inclusive  
25 of grain:

26 A. Well, I do not have an adjustment  
27 for exclusive of grain; this is inclusive.

28 MR. MAURO: That is inclusive of grain thirty-  
29 two tons?

30 THE WITNESS: 32.5 tons which would mean an





1  
2 axle loading of approximately thirteen tons on a  
3 box car, thirteen tons per axle. We are comparing  
4 average axle loadings of thirteen tons per box car,  
5 unloaded box car and six tons on empty box cars  
6 with an extra loading of twenty-nine tons on a  
7 5400 h.p. diesel as well as an axle loading of  
8 36 tons on a 484 steam locomotive, some of which  
9 were in operation at the time the study was made.  
10 So, this is the background for our position that  
11 these axle loadings were relevant.

12 One more point I should bring up; at last  
13 week's cost conference we came to virtual agreement  
14 that if we could have a physical measure which  
15 embodied both the axle loadings and the motive  
16 power unit and the weight of the trailing cargo cars ---

17 Q. Trailing cars ton miles?

18 A. Yes -- this would be the most desirable  
19 way of measuring the effects of traffic moving over  
20 the track. But, in the absence of such a unit existing  
21 a compromise had to be sought and all different parties  
22 to the controversy moved in different directions in  
23 seeking that compromise.

24 Q. You say all the axle loadings may and  
25 do vary dependent upon the load per car and dependent  
26 upon the locomotive because of the way diesels operate.  
27 I suggest to you, because of dynamic braking, with  
28 the improvements particularly in heavy gradient lines,  
29 that this is not as important a factor as it was to  
30 trace out when there was mostly steam?





1  
2 A. I think everyone would agree with that,  
3 sir. If it were possible to cost out your line on  
4 a pure diesel basis I think we would all be happier.

5 Q. What I am saying to you also is this:  
6 by taking train miles and while you can get substantial  
7 changes in axle loadings by taking a 1500 h.p. diesel  
8 as against a car of grain, that when you get to 1200  
9 h.p. diesels or branch line diesels that this is  
10 narrowed substantially?

11 A. Yes, that is quite true.

12 Q. And when we look at the matter such as  
13 we are discussing now we have to look at it in relation  
14 to where the grain is moving from and on what type  
15 of lines it is moving from and what type of equipment  
16 is working it?

17 A. Quite so. However, I am under the  
18 impression that most of the cars ton mileage on grain  
19 is on the main line.

20 Q. That may be so, in view of the fact that  
21 it must channel at Calgary and at Winnipeg?

22 A. Yes.

23 Q. But there is still very substantial  
24 mileage on what may be termed non-trunk lines cars ton-  
25 miles?

26 A. I do not think there is as much as you  
27 would think. I have a figure here which might help  
28 us out in that regard.

29 Q. When I say "substantial" I mean something  
30 like over 25 per cent.





1  
2 A. Oh yes, we can get down exactly just  
3 by pulling out this work sheet. If you take the Kenora,  
4 Vancouver and Revelstoke divisions -- Kenora, Portage,  
5 Vancouver and Revelstoke as your trunk line divisions  
6 then seven elevenths of the grain is automatically  
7 accounted for on those divisions, the gross ton-miles.

8 Q. Yes, and as I pointed out to you, for  
9 instance, the Canadian Pacific in its freight operations  
10 diesels in the west of Calgary operation. That is  
11 where we were using diesels in this study; correct?  
12 So that these factors are an appreciation of it which  
13 arises from the way the traffic moves and how it moves.

14 A. Quite so.

15 Q. One of the things that you as an analyst,  
16 Dr. Borts, do want to be careful about, and I think  
17 you have been very frank about this, that in taking  
18 the train miles you are not overlooking a very material  
19 part of the work affecting track maintenance, affecting  
20 car ton-miles?

21 A. Yes, a question of making a compromise  
22 with the data in order to be able to handle it.

23 Q. Except, in taking train miles you are  
24 unable to reflect anything as to variation in length  
25 of train or weight in cars?

26 A. Well, I agree. I think the real problem  
27 here is, you are dealing with a large number of factors  
28 any one of which can affect track maintenance and  
29 the problem is to put your finger on the most important.

30 Q. Now, Dr. Borts, I want to turn to your





1  
2 equation account 266, shop and engine house maintenance  
3 and depreciation commencing at Page 7. At the bottom  
4 of Page 8 of your paper the model that you have  
5 adopted for costing of grain, as well as the model  
6 on Page 10,—I want to draw your attention to the  
7 model on Page 10 which you have adopted as explanatory  
8 of expense variabilities cost factors power plant  
9 maintenance and depreciation and also the model on  
10 the top of Page 12 which is a model that you have  
11 adopted as explanatory of the group of costs being  
12 despatching and station employees. Now, those three  
13 models were developed by pyramiding?

14 A. That is right, sir.

15 Q. And you do not in any of those three  
16 models give an  $R^2$  or the T value of the co-efficient  
17 in the model?

18 A. That is correct. When you develop  
19 these relations by pyramiding it would be extremely  
20 difficult to derive for the final equation a test  
21 of statistical significance. In developing these  
22 models I relied on the tests of significance which  
23 were applied to the equations before they were combined  
24 in the above which has been described as pyramiding.  
25 I did not use the term pyramiding here, by the way,  
26 and as far as I know the first place I saw reference  
27 to it is in a book called the Economics of Competition  
28 in the Transportation Industry by Mr. Mr. Meyer, Mr. Peck  
29 and Mr. Zwick.

30 Q. I have read that book. If we keep using





1  
2 it so often --

3 A. I do not think it is offensive in ~~the~~ way  
4 I quoted the reference.

5 Q. I do not think it is ~~offensive~~ in any  
6 way because pretty soon we will have it on the best  
7 seller list. I have heard that since this Commission  
8 started its sales have sky-rocketed.

9 MR. FRAWLEY: The Commission should get a  
10 royalty.

11 MR. COOPER: Sold only to the best people.

12 MR. SINCLAIR: Q. And now, Dr. Borts,  
13 you said that you looked at your T values in the  
14 various equations that were used in arriving at the  
15 final model?

16 A. Yes.

17 Q. And I suggest to you as a statistician  
18 you will agree that once you pyramid into a final  
19 model the key values of the individual equations  
20 cannot be related onto, say, that the T value of the  
21 final equation will be statistically significant?

22 A. Oh, I would agree with that.

23 Q. Now, looking at shops and engine houses  
24 for a minute, that is your final equation on shops  
25 and engine house maintenance at the bottom of Page  
26 8 of your paper. Now, my suggestion to you is this,  
27 that if the work, taking this final equation and  
28 forgetting about the pyramiding which were prior steps  
29 in the development of this equation, you will find  
30 that you will get meaningful  $R^2$  and that you will get





1  
2 T values that are meaningful but your cost co-efficient  
3 on your independent variables will double. In other  
4 words, the cost ascribed to grain will be twice as  
5 much as it is by using the equation that you have?

6 A. I do not believe it.

7 Q. Well, Dr. Borts, I will then ask the  
8 people that I asked to run this for me to let you see  
9 it.

10 A. Fine, very good.

11 MR. MAURO: This is what I thought the  
12 cost conference was for.

13 MR. SINCLAIR: This happens to be the way a  
14 lawyer thinks and a statistician does not generally  
15 think of doing things directly and when they do things  
16 directly this is the way a lawyer thinks. This may  
17 be a surprise to quite a few people.

18 MR. MAURO: Perhaps he should have been at the  
19 cost conference.

20 THE WITNESS: Mr. Sinclair, I should point  
21 out that a question was raised about this equation at  
22 the cost conference and I agreed to go to my notes  
23 and check them out. The point which was raised at  
24 the cost conference was that if the maintenance and  
25 depreciation on shops and engine houses were affected  
26 directly, yard and train switching miles, in the manner  
27 in which you suggest then the  $R^2$  value would  
28 be achieved of .65. Now I checked out this figure and  
29 in a memorandum which I sent to the staff of the  
30 Commission and Mr. Stenason as well, I checked these





1  
2 accounts, my own figures and found nothing of the  
3 sort could be arrived at. Now, this means either that  
4 the description of the equation is necessarily so  
5 or Mr. Stenason and Mr. Romoff have a different model  
6 in mind from a simple regression.

7 Q. Well, what I said --

8 A. And the only thing I can suggest is  
9 that this be worked out with the staff because we are  
10 obviously up against a disagreement as to what the  
11 numbers said.

12 MR. COOPER: Mr. Chairman, I would suggest  
13 Mr. Sinclair let this matter drop at this point and  
14 the cost experts can work it out between themselves.

15 THE CHAIRMAN: Yes, I think so.

16 MR. SINCLAIR: Q. Quite so. Looking at your  
17 model on Page 8, shop and engine houses maintenance  
18 and depreciation, would this be a fair interpretation  
19 to draw from it, Dr. Borts, that this equation is  
20 saying that the group of expenses described as shop  
21 and engine house maintenance and depreciation is  
22 a constant term and aside from that is acceptable by  
23 yard and train switching miles?

24 A. Yes, sir.

25 Q. In other words, yard and train switching  
26 miles explain a variability in maintenance of shops  
27 and engine houses?

28 A. Yes, sir.

29 Q. Well, Dr. Borts, assume with me that the  
30 Canadian Pacific then contracted all its switching





ANGUS. STONEHOUSE & CO. LTD.  
TORONTO, ONTARIO

Borts, cr.ex.  
(Sinclair)

20387

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

in view of your answers, I suggest to you that they would not need any shops to repair their box cars running over the road and their locomotives?

A. I am not sure I see the point of your question, sir. Could you say that again?

Q. You have said to me that what your final equation did was to say that yard and train switching miles explain the variation in shops and engine houses.





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

A. It explained it in a statistical sense.  
You are aware this is not a technological relationship  
in a sense.

Q. Well, if it explains it in a statistical  
sense, it has to make sense in a proper casual  
relationship or you will not accept it, as an analyst?

A. Could you give me the example of a  
casual relationship again?

Q. Casual relationship is a negative one  
that I put to you, and that was, that if the Canadian  
Pacific contracted out its switching, then it would not  
have any shops or engine houses?

A. It would have fewer.

Q. It would not have any variable expense.

A. Oh, variable?

Q. ... shops and engine houses.

A. Variable expense?

Q. Yes.

A. I see your point. Your point is, if  
your switching were done by some other company so that  
each division showed up a zero percentage for yard  
and train switching miles, then we would never have  
gotten this equation.

Q. That is what I say to you, that the  
result of your equation, showing yard and train  
switching miles is the only factor that explains  
variability in maintenance of shops and engine houses,  
is wrong?

A. You see, you run into this interpretation





1  
2 with any equation. Let us back to you own equation at  
3 the bottom of page 7 which is labelled 3235: suppose you  
4 contracted out the equipment maintenance but agreed  
5 to repair the buildings yourself. Well, according to  
6 this equation, if you contracted out the equipment  
7 maintenance, there would not be any maintenance of the  
8 buildings.

9 Q. If you contracted out the equipment  
10 maintenance?

11 A. And agreed to repair the buildings  
12 yourself.

13 Q. But surely, Dr. Borts, if you contracted  
14 out the equipment maintenance you would not need any  
15 shops for equipment maintenance.

16 A. Suppose you said, "Come into my shops  
17 and do my repairs for me".

18 Q. Well, the answer to that is that you  
19 would include in the cost of turning it over to  
20 somebody, the buildings.

21 A. Well, you would include in this equation  
22 the amount of switching work they did.

23 Q. With all due respect, Dr. Borts, I say  
24 the things are not comparable, and I will give you a  
25 practical example. There is a railway in Canada known  
26 as the Quebec North Shore and Labrador.

27 A. Yes.

28 Q. And it operates very heavy trains?

29 A. Yes, sir.

30 Q. And it operates as a line haul carrier





1  
2 with another company doing the originating and terminal  
3 switching, and it is a trunk line: are you suggesting  
4 to me that in respect of the shops and engine houses  
5 of the Quebec North Shore and Labrador that they do not  
6 vary because they have no switching?

7 A. No, what I am saying is, if you are  
8 dealing with divisions of a railway which do switching  
9 and line haul, then it is perfectly conceivable that  
10 one of the cost accounts is going to be explained by  
11 the switching function alone. In the hypothetical  
12 example you gave me, if it turned out some of these  
13 divisions did no switching I would not have used  
14 switching as an explanatory variable. It would not have  
15 been a desirable work unit because it would not express  
16 differences in the amount of work done in the different  
17 divisions.

18 Q. But we know shops and engine houses  
19 repair equipment that is worn out both in road haul  
20 and in switching?

21 A. That is correct.

22 Q. And you have given no weight to the  
23 fact that these shops and engine houses do effectively  
24 work on road haul repair?

25 A. Agreed.

26 Q. Now, would you ----

27 A. Are you going to pass away from that  
28 equation, because I would like to make a statement in  
29 regard to the rationale for the procedure there. We  
30 did not depart from the Canadian Pacific's equation on





1  
2 frivolous grounds. The reason I felt it desirable to  
3 give up the equation which they use, which I describe  
4 at the bottom of page 7, is that I felt it represented  
5 simply a proration of the shops and engine house  
6 maintenance among the different districts of the  
7 railway, and that as a consequence of representing  
8 a proration what it did was to set a very high percentage  
9 on variable cost. If you look at the back page of my  
10 submission, page 43, I think that you will find that  
11 the total constant cost for the construction in the  
12 account is something like \$81,000.

13 MR. MAURO: Whereabouts is that?

14 THE WITNESS: On page 43, account No. 235.  
15 \$81,200 is the total constant cost in that account.  
16 At the same time, the railway reports a total  
17 maintenance expenditure in that account of a vastly  
18 larger figure which I will read into the record as soon  
19 as I find it. The railway's account of the maintenance  
20 alone of shop and engine houses is \$2 million, and the  
21 depreciation is a correspondingly large figure. So,  
22 in effect, what the railway procedure does is to regard  
23 the total amount of this maintenance expense as a  
24 variable expense directly variable with traffic. We  
25 felt it was inaccurate especially when you are dealing  
26 with the maintenance of physical structures which are  
27 not themselves forming traffic service, and as a  
28 consequence we felt it desirable to attach this cost  
29 to a service unit.

30 MR. SINCLAIR: Q. And you never did that





1  
2 in any of your equations?

3 A. Never did what?

4 Q. Not accept a relationship with a non-  
5 service unit? I suggest to you in one of your own  
6 equations you did exactly the same thing?

7 A. I would appreciate it if you would point  
8 it out.

9 Q. It is in one of the pyramids, as I  
10 recollect, on page 10.

11 A. Could you refer to the equation, please?

12 Q. It is right at the top of page 10.

13 A. And in the active pyramidding what I  
14 did was to fit the dependent variable to an investment  
15 variable and then wash it out.

16 Q. But earlier you said you were satisfied  
17 to accept significant values, statistically, from the  
18 steps that you took in building the pyramid to the  
19 final equation?

20 A. That is correct. I might add the reason  
21 for using investment as a means of making the pyramid  
22 is the fact each of the accounts includes depreciation  
23 which is simply a percentage of what you happened to  
24 carry on your books as gross investment.

25 Q. Oh well ---

26 A. It is not simply a percentage. Excuse  
27 me. There are differences in depreciation methods,  
28 depending on whether it is straight line or declining  
29 balance. But, you will agree that the depreciation  
30 figure used is derived from the gross investment.





1  
2 Q. It is derived from the gross investment  
3 to reflect, on a turnover method, the life that is going  
4 to be used, and the use of the asset, and therefore  
5 it does affect work done; correct -- even on a straight  
6 line depreciation?

7 A. Well, straight line depreciation may  
8 have no relation to work done.

9 Q. But straight line rates are changed to  
10 reflect on the basis of the turnover method?

11 A. When they are changed, that is correct.

12 Q. And any straight line put in and not  
13 changed is not a realistic straight line rate, if it  
14 is not measuring work changes over technology and time?

15 A. There are some straight line changes  
16 which may not be realistic simply from the year chosen  
17 also.

18 Q. Of course, Dr. Borts, your explanation  
19 was a rather interesting one, but now just try to apply  
20 your explanation to the second one from the top of the  
21 page -- not investment; but, the next one.

22 A. Yes, we found there that the relationship  
23 which you people had fitted, that I have described on  
24 page 9, actually held in the east.

25 Q. So, while it was no good when we did it,  
26 when you did it you did accept it?

27 A. No, we just did it where we thought it  
28 was significant.

29 Q. And the Canadian Pacific did where they  
30 thought it was significant?





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

A. Yes, sir.

Q. Now, we are into this question of your suggestion of allocations, or what you call prorations, and I remember a little phrase of yours that you did not like prorations, and I suppose the way you would approach costing would be in this order: first, direct is the preferable method?

A. By "direct" you mean direct identification of service units and a direct computation of the percentage variability from some engineering figure if possible?

Q. Yes.

A. That would be the best, yes.

Q. Second, regression?

A. Yes.

Q. And thirdly, prorations, unless the prorations were based upon engineering data?

A. Yes, I think that would be fair.

Q. I find this just a little difficult to follow: when you call something a proration, but that you have a constant term, how can you prorate something if you have something left over?

A. You might have a five dollar constant left over in a \$10 million account. For all practical purposes it is a proration.

Q. But for all practical purposes it may mean only that the equation has shown you that the matter you are dealing with is, in fact, highly variable?





1

A. I would grant you that.

2

3

Q. Now, Dr. Borts, we have been talking

4

about this pyramidding, and I think maybe if we could

5

look at your equation, with which we have been dealing,

6

and may I draw this to your attention: if you try to

7

pyramid, what you have done is taken west, east and

8

then system on top to arrive at a final model, and I

9

suggest to you if you are going to pyramid you should

10

pyramid from the same base, because you have certainly

11

got a queer looking pyramid where you have got the

12

thing on top bigger than the base, and that is what

13

you have got.

14

A. Could you explain which equation you

15

are referring to?

16

Q. The one we have been talking about on

17

page 8.

18

Q. This will apply any place -- you have

19

done this on other equations, but where you have taken

20

east, west separations in the steps to a final step,

21

the system, and applied this on top, and we have, for

22

instance, to arrive at your final result, you have got

23

a pyramid which looks like Atlas holding up the world.

24

A. Well, I am not an art critic so I

25

cannot say what it looks like.

26

Q. But it is a queer looking pyramid.

27

A. The pyramid is required by the necessity

28

of staying within the rules of statistical significance.

29

I certainly could have computed equations separately

30

for east and west, but I would have gotten beyond the





1  
2 significance levels which I wanted to set for myself.

3 Q. May I draw to your attention you get  
4 some pretty poor significance levels when you get an  
5  $R^2$  or a variance explanation of 26% -- and that is  
6 what you have done here.

7 A. Last week we argued for about half a  
8 day on what a healthy 6% meant, and I would refer you  
9 back to your own people. The question of what a poor  
10  $R^2$  is or what a good  $R^2$  is is something you really  
11 cannot decide. The only test we have is significance.  
12 I think what you are saying is, we have not explained  
13 a large amount of the variations, and I would agree  
14 26% is less than 100%.

15 Q. You would also agree statisticians  
16 generally are looking for variance explanations of  
17 around 50% or better?

18 A. I would not use any a priori figure  
19 to that, sir.

20 Q. You are saying to me that statistics  
21 you must look at when you get a small percentage of  
22 variance explained, you must look at the units that  
23 you are using to explain the expense to see if they  
24 can stand the K test.

25 A. That is correct.

26 Q. On power plants maintenance and  
27 depreciation, your final model, on page 10.

28 A. Yes, sir.

29 Q. What you did here was, you took  
30 maintenance depreciation in power plants and developed





1  
2 a coefficient for investment in power plants, and then  
3 you regressed power plants and investment in shops and  
4 engine houses, substituted that regression by investment  
5 in power plants in the first equation, and then you  
6 regressed investments in shops and engine houses with  
7 yard and train switching miles and substituted that for  
8 the investment in shops and engine houses in the second  
9 equation?

10 A. That is right.

11 Q. Once again, if you do it the lawyer's  
12 way -- that straight-ahead way, which you have enabled  
13 me to draw to your attention -- and if we take these  
14 power plants and regress directly on the basis of yard  
15 and train switching miles, once again I suggest to you  
16 that you will get a meaningful  $R^2$ , and you will get a  
17 statistically significant variance of T and the only  
18 difference again will be the materially increased value  
19 of the coefficient.

20 A. Could you tell me what those numbers are,  
21 sir?

22 Q. Tell you the numbers?

23 A. Yes. You described a procedure which  
24 conceivably might be tried.

25 Q. I will give you the detail of it; Dr.  
26 Borts, and just as in the other cases if you have any  
27 comments on it I would suggest they be written to the  
28 staff and I will not try to go through the regressions  
29 with you.

30 A. In this case, though, you have claimed





1  
2 something which I have not seen, and perhaps you could  
3 put it on the record.

4 Q. I suggest this would give you a  
5 coefficient -- and this is the only figure I am  
6 interested in -- of about  $2^4$  instead of .2.

7 A. Where is the decimal?

8 Q.  $.02^4$  instead of .012.

9 A.  $.02^4$  times yard and train switching miles.

10 Q. Yes.

11 A. And what would the  $R^2$  be?

12 Q. The  $R^2$  I have not got.

13 A. And would that coefficient be for the  
14 east, the west or the system?

15 Q. I am working on your equation.

16 A. For the west?

17 MR. MAURO: I assume this must have been  
18 worked out by my learned friend since Thursday, because  
19 we assumed this was the kind of material that, if we  
20 had different numbers, the experts were going to discuss  
21 it.

22 THE WITNESS: No, this was not shown to us  
23 last week.

24 MR. SINCLAIR: This I will say, that it was  
25 worked out at my request and I will very gladly give  
26 it to Dr. Borts and to the staff.

27 THE CHAIRMAN: And you so request?

28 MR. SINCLAIR: Oh, yes -- I so offer.

29 MR. MAURO: He offers it. We say, give them  
30 the material -- this is the first time we have heard





1  
2 about this.

3 MR. FRAWLEY: Mr. Chairman, this cross-  
4 examination is not to be equated with the cost  
5 conference. I am concerned, if my friend has  
6 something -- he said it was developed at his request:  
7 he means subsequent to the breaking up of the cost  
8 conference.

9 MR. SINCLAIR: When I started to work on  
10 this material and tried to prepare my cross-examination  
11 ---

12 THE CHAIRMAN: He is not asking Dr. Borts  
13 for an answer now.

14 MR. FRAWLEY: He is not?

15 THE CHAIRMAN: No.

16 MR. SINCLAIR: Q. Certainly, I agree, Dr.  
17 Borts, I should give you the calculations, and I must  
18 say I did not do them because I cannot; but, somebody  
19 did.

20 A. Well, somebody had a busy weekend.

21  
22  
23 --- A short recess ---  
24  
25  
26  
27  
28  
29  
30





1

2

THE CHAIRMAN: Order, please.

3

MR. SINCLAIR: Q: Now, Dr. Borts, when you

4

are dealing with the maintenance -- by the way, I

5

mentioned to you a figure of 24 instead of 12, and

6

that figure should be 25.02545.

7

A. Yes.

8

Q. Now, your equation and your treatment

9

of power plants is that you explain the variability

10

in this account by looking at one variable in the west

11

and an entirely different independent variable in

12

the east?

13

A. That is correct.

14

Q. Now, could you tell me, Dr. Borts, --

15

I find this extremely difficult to understand -- why

16

you would find a completely different variable in

17

power plants, variables explanatory, in the east as

18

against the west?

19

A. Well, I think when I was being examined

20

this morning I read in the vast range of property

21

items which come under the heading of Power Plants,

22

and I think the explanation is related to the different

23

elements of power plants which are likely to be

24

~~maintained~~ in the two sections of the railway as well

25

as the different kinds of traffic which are likely to

26

predominate, and therefore likely to explain the

27

variation of this account. Let me add one other

28

point. It is my understanding from the cost conference

29

that the power plant maintenance and depreciation was

30

treated as a constant by the Canadian National Railways





1  
2 and not allocated to any service units, so there is a  
3 third possibility which we have overlooked; namely,  
4 its complete lack of relation to the traffic entirely.

5 Q. Well now, Dr. Borts, just like removal  
6 of snow. The removal of snow in the Canadian Pacific  
7 study and in your study has been treated as a  
8 constant throughout?

9 A. Yes, that is right.

10 Q. Yet, we know that snow removal is in  
11 part reflected by traffic; because the volume of  
12 traffic that is moving over the line is how much times  
13 you have to move your ploughs, switch out your switches  
14 and things like that. Notwithstanding that knowledge,  
15 because there was not available dependent variables  
16 when you measured it, it was treated as constant?

17 A. Yet, it was not regressed on any other  
18 maintenance item, either. It was treated as constant.

19 Q. It was treated as constant?

20 A. Yes, I appreciate that.

21 Q. What I am saying to you in respect of  
22 this, Dr. Borts -- and I think we are in agreement  
23 here; I just want to make sure.

24 My difficulty is this, and maybe I can put it  
25 in this way. You say that the number of station  
26 employees is meaningful in explaining the variability  
27 in the east?

28 A. That is correct.

29 Q. But the number of station employees is  
30 not meaningful in explaining the variability in the





1

2 west?

3 A. That is correct.

4 Q. And what you say is that the number --

5 A. By the way, it is not number of employees;  
6 it is dollars of employee expenses.

7 Q. Yes, quite right. Most of dollars of  
8 expense is numbers wages; you would agree?

9 A. Yes, yes.

10 Q. The thing that keeps bothering me, Dr.  
11 Borts, in trying to understand is that it seems to me  
12 clearly evident that by using as your explanatory  
13 variable investment, you are involved in many difficulties  
14 of price level and that is a very major factor that  
15 you do not adjust for, and then when you look at it  
16 that notwithstanding the fact that there is a correlat-  
17 ion that is acceptable to you of numbers of employees  
18 in the east, that you won't even put that into the  
19 west?

20 A. It did not go in because it was not  
21 significant.

22 Q. Because statistically it would not give  
23 a proper relation?

24 A. Right, and I have to keep repeating that  
25 in any of this work I limited myself to the rule of  
26 statistical significance, which I set for myself in  
27 advance.

28 Q. I see. Then, if knowledge tells us  
29 that, notwithstanding the statistical matters, if  
30 knowledge tells us that there is a correlation between





1  
2 employees and maintenance, then you would accept that?

3 A. If knowledge told me that this variable  
4 was important, then I would rather construct a co-efficient  
5 efficient than accept the co-efficient which an insignificant  
6 significant estimate gives me, because an insignificant  
7 estimate is no better than a guess. But a constructive  
8 co-efficient at least has the advantage of having  
9 an engineering basis for it.

10 Q. We are going to get into that in just  
11 one half second, and maybe this is the time we should  
12 do it.

13 You, of course, in this equation are again  
14 faced with some problems on your statistical test  
15 because you have noted to the Commission you cannot  
16 apply statistical tests to your final model?

17 A. Not to the ~~provided~~ equation, that is  
18 correct.

19 Q. To your final model on which the cost  
20 attributable to grain is based?

21 A. Correct.

22 Q. Now, you turn to the next model that  
23 you substituted, and that was inspection station  
24 employees as dependent variable, and you reject this  
25 Canadian Pacific model because you say the values of  
26 T are not statistically significant?

27 A. Correct.

28 Q. In two of the co-efficients?

29 A. Yes, sir.

30 Q. Now, Dr. Borts, you say in your paper





1  
2 that you would accept an equation being statistically  
3 significant at a five per cent level of error in the  
4 individual co-efficient?

5 A. Yes, sir.

6 Q. The reason you set this limit -- is it  
7 because you want to eliminate the chance of accepting  
8 as a unit cost for grain anything that may have a  
9 probability of more than five per cent chance of not  
10 being due to the movement of traffic?

11 A. Yes, sir.

12 Q. When you say five per cent, I take it  
13 you mean plus or minus two and a half per cent?

14 A. You better explain that to the Commission,  
15 sir.

16 Q. Well, if you look at Page 16 -- and maybe  
17 I can do this very quickly. If you look at Page 16,  
18 and let us understand it, Dr. Borts, and see if I  
19 understand it right. You get a T value and then --  
20 let me say how I do it. I get a T value, and then I  
21 go to the book and the book tells me that if I have  
22 a T value of this, and I have a certain equation, and if I  
23 apply that equation, I will get my percentage by applying  
24 the formula. You may know how to do it without looking  
25 at the book, but I look at the book.

26 A. We both look at the book, sir.

27 Q. Looking at Page 16, you show various  
28 T values and then you do your probability error factor  
29 arising from these specific T values; and, for instance,  
30 in the one you are working at, it depends on the shape





1

2 of the bell curve of probability, and you have adopted  
3 a 23 --

4 A. Degrees of freedom.

5 Q. Yes, which I think you developed by taking  
6 the number of observations, subtracting the number  
7 of the independent variables, and that gives you the  
8 degree; correct?

9 A. Almost correct. Well, it is the number  
10 of observations minus the number of independent variables,  
11 minus one.

12 Q. Minus one?

13 A. Yes.

14 Q. I'm sorry.

15 And there you set sign ignored?

16 A. Yes.

17 Q. And that means; that five per cent means  
18 sign ignored plus or minus five per cent?

19 A. Yes, sir.

20 MR. COOPER: Mr. Chairman, at this point  
21 I would like to bring to the attention of Mr. Sinclair  
22 and the witness a point of disagreement in the statement  
23 filed this morning and taken into the record and  
24 related to Page 14, line 24; to Page 17, line 26.  
25 And in the transcript at Page 19140, line 11 to Page  
26 19144, line 7.

27 MR. SINCLAIR: Oh, yes, I see that, Mr.  
28 Cooper. I must say that I am not going to get into  
29 this question any further than on a touch level for  
30 the question I have coming up.





1  
2 MR. COOPER: I might just read the extract  
3 from the points of disagreement to the chairman:

4 "We would object to the discussion of the  
5 use of a five per cent probability level on  
6 two grounds: first, that the appropriate  
7 test to apply is a one-sided test and that  
8 therefore when Dr. Borts quotes a probability,  
9 as for example the 14 per cent, it would  
10 in fact be 7 per cent. It was agreed that  
11 this point should be argued in effect before  
12 the Commission staff by correspondence,  
13 and could not usefully be dealt with in formal  
14 hearings."

15 And I am just wondering at this point, Mr.  
16 Chairman, if we ~~are getting~~ into an area which was  
17 agreed at the cost conference should be dealt with  
18 by means other than cross-examination in public hearings.

19 MR. SINCLAIR: Thank you, Mr. Cooper.

20 I hope not, because I have just a smattering of know-  
21 ledge in this, and I certainly do not want to get into  
22 this one, I can assure the Commission of that. I will  
23 leave that to Dr. Borts and Dr. Hay, and Dr. Armstrong,  
24 with pleasure.

25 Q. I just wanted to put this to you, Dr.  
26 Borts, because you made a point of what I am trying  
27 to get at, and it is not a highly technical one, I  
28 hope. I refer you to Page 19109 of the transcript,  
29 Volume 116, in which you said, in answer to my friend  
30 Mr. Mauro:





1  
2 My reason for reading this to you is why  
3 are you interested in the negative value when you say  
4 this:

5 "The T test is a test of the extent to which  
6 this slope is either positive, indicating  
7 there is an influence, and the extent to  
8 which it may be regarded as zero."

9 A. Oh, yes, sir, I recall that. You want  
10 to --

11 Q. I have not finished.

12 "...and the extent to which it may be regarded  
13 as zero, in which case there is no statistical  
14 influence".

15 A. Yes, sir.

16 Q. And you might as well substitute an  
17 informed guess; that is what you said: if you did  
18 not have a proper level of accepting or rejecting  
19 on a statistically significant basis, you might make  
20 a mistake?

21 A. Yes.

22 Q. The question I want to put to you is  
23 just this simple question, and in view of your sign  
24 ignored; and what you said, I want you, if you would,  
25 to tell me and through me the Commission, when you  
26 use a negative co-efficient in costing?

27 A. Yes, sir.

28 Well, you will recall when I gave my direct  
29 testimony that I was referring to a hypothetical  
30 example on a blackboard, in which there was a simple





1  
2 relation between cost and output in which the slope  
3 was positive. And the question was then put to me  
4 about the T test and I described it at that time because  
5 of the shape in which the slope existed. You want  
6 to know when would a negative co-efficient come up  
7 in costing?

8 Q. When would a negative co-efficient  
9 be used in costing; or, in other words, to complete  
10 your matter, instead of the slope being positive it  
11 was negative?

12 A. Well, I can think of two or three examples,  
13 which I might wish to put on the record.

14 One example would be where the cost equation  
15 fitted was of -- not the linear form, but a  
16 quadratic form.

17 Q. That you have got Hydraplanes?

18 A. I will explain it.

19 By a quadratic form, you simply mean a  
20 curve in which there are X term and X squared term,  
21 and depending upon the shape of the curve some of  
22 those co-efficients will come out as negative.

23 Another example of where negative term might  
24 come out in costing is where a output variable is  
25 actually a proxy for some characteristic of the sample  
26 which was being examined. This once occurred to me  
27 in doing a cross-section study of the railways of  
28 the United States, where I discovered that I had  
29 fit a cost equation to data and had used empty car  
30 miles as specific independent variable, and I got a





1  
2 highly significant but nevertheless negative co-efficient.

3 It turned out, upon further examination of  
4 the data, that the empty car miles were negative because  
5 I had included in my sample the Pocahontas Railways  
6 which, as you know are a coal carrying road, which  
7 have very heavy empty return. And, yet, because of  
8 the method by which coal is gathered, there are  
9 substantial economies in certain types of handling  
10 costs.

11 Here is a case where you would have a negative  
12 co-efficient which was statistically significant  
13 If you were asking me where do you get a statistical  
14 significance with negative co-efficients, I have  
15 given you two examples.

16 Q. That is not quite my question.

17 A. Well then, I have wasted your time. I'm  
18 sorry.

19 Q. No, you have not wasted my time; you have  
20 helped me a lot, and I thank you for it. But I want  
21 to say this: would you apply in ascribing costs a  
22 negative co-efficient?

23 A. Oh, hardly. There would be a very  
24 peculiar railway that had negative variable costs.

25 Q. If you are not going to apply it, then  
26 why do you look for it and test against it?

27 A. Because I have no apriori grounds that  
28 it is not going to show up.

29 Q. I suggest to you that you gave me a nice  
30 algebraic word a moment ago, that the reason why the





ANGUS, STONEHOUSE & CO. LTD.  
TORONTO, ONTARIO

Borts, cr.ex.  
(Sinclair)

20410

1  
2 texts on statistics, Dr. Borts, some of them talk  
3 generally about these confidence intervals at a five  
4 per cent level, is because in certain regression work  
5 negative co-efficients are extremely meaningful?

6 A. I would agree with that.

7 Q. And a good example, I would think --  
8 and it is a kind of homely one, and one that a lawyer  
9 understands -- is I am trying to find the days of  
10 rain in Victoria, and so what I do is to take a  
11 constant term, and then I also have to take the days  
12 of sunshine as my independent variable. And certainly  
13 I am going to come up with a meaningful negative  
14 constant to arrive at the days of rain in Victoria.





1  
2 COMMISSIONER ANSCOMB: I think it should be  
3 pointed out that the rain is variable and the sunshine  
4 is constant.

5 MR. SINCLAIR: I recognize, sir, that what  
6 I was using was Chamber of Commerce data and this  
7 source may have led me to error.

8 COMMISSIONER ANSCOMB: Now you are getting  
9 into the chamber of horrors.

10 MR. SINCLAIR: Q. Leaving that for a minute,  
11 would you look at your account on despatch and  
12 station employees?

13 A. Yes, sir.

14 Q. Here again being pyramidded on the  
15 final equation assuming  $R^2$  and no T value for the  
16 reasons we have discussed in the other pyramidded  
17 equations.

18 A. Yes sir.

19 Q. The question I wanted to ask in looking  
20 at this and considering the choice of the variables  
21 and particularly the choice of gross ton miles as a  
22 variable, I am looking at the final model on the top  
23 of page 12, did you take into account the evidence that  
24 was given to this Commission of the special study of  
25 the work and time of station employees of Canadian  
26 Pacific?

27 A. No, sir.

28 Q. That evidence showed, Dr. Borts, that  
29 time and work of station employees was largely  
30 attributable to traffic originating and terminating at





1  
2 the station. Do you remember?

3 A. I said I had not seen the study, sir.

4 Q. It was referred to and the actual  
5 figures were put in evidence by Mr. Emerson and reference  
6 was made to it and material was supplied to the costing  
7 experts.

8 MR. MAURO: Was it at the conference?

9 THE WITNESS: No, it was not.

10 MR. MAURO: I thought that was what the  
11 conference was for.

12 MR. SINCLAIR: It was already in the record,  
13 Mr. Emerson put the actual figures in the record.

14 MR. MAURO: Mr. Bandeen did not bring it up.

15 MR. FRAWLEY: Then Mr. Sinclair should not be  
16 cross-examining on it if it was not referred to at  
17 the cost conference.

18 MR. SINCLAIR: It was referred to in Mr.  
19 Emerson's evidence. It was put in in data that was  
20 made available to my friend many, many weeks ago.

21 MR. MAURO: I am amazed that the experts  
22 spent three or four days in Montreal and ----

23 MR. FRAWLEY: You cannot get any help anyway,  
24 he has not seen the study so you have to go on with  
25 something else.

26 MR. SINCLAIR: Q. Now, by taking gross ton  
27 miles as an acceptable variable, assume with me that  
28 constant employees worked, the major factor in it is  
29 traffic originating and terminating and if you use  
30 gross ton miles as an acceptable variable -- we will





1  
2 take the Schreiber division as an example where there  
3 would not be a large amount of originating and terminating  
4 traffic in relation to the total gross ton miles, and  
5 therefore, by using your basis you would in effect say  
6 that as the gross ton miles were high on this subdivision  
7 therefore there should be a large number of station  
8 employees.

9 A. Yes, this could conceivably introduce  
10 an effect of that sort.

11 Q. Now, Dr. Borts, would you take ---

12 A. Could I make one point, by the way, now that  
13 it occurs to me? I think one of the reasons why the  
14 railway failed to get a decent coefficient for the  
15 carload variable on page 10 at the bottom and one of the  
16 factors that should be brought out here ---

17 Q. Would you mind if I stopped you?

18 A. Yes.

19 Q. A statistically significant coefficient  
20 according to your light.

21 A. According to my lights is that the  
22 mileages you have are for carloads originating and even  
23 they are very poor measure of the total volume of  
24 carload traffic which is handled in a station. You do  
25 not have this originating terminating handling figure  
26 which would be a much better figure for the purpose of  
27 costing out station expenses. I suspect this is the  
28 reason why the value of T is below 2 there. When I  
29 saw what kind of carload figure it was I felt that it  
30 could not be used for this purpose.





1  
2 Now, I have no a priori objection to using  
3 carloads in costing out stations, I want to make that  
4 perfectly clear, but I want to make it also clear that  
5 the appropriate figure for this would be a measure of  
6 the total volume of carloads handled in the operating  
7 unit.

8 Q. If that was your reason for not  
9 accepting the CPR model, why did you accept l.c.l.  
10 carloads in your model where the same disabilities  
11 that were disturbing you on the carloads on the CPR  
12 model existed.

13 A. Purely on grounds of significance.

14 Q. In other words a priori only told you  
15 that you must discard carload ---

16 A. No, it did not tell me I must discard  
17 carload. What it told me was you had tried carloads  
18 and you had not got a statistically significant fit.

19 Q. And you say the reason for that is ---

20 MR. MAURO: Now, let him finish. Dr. Borts  
21 give your answer.

22 THE WITNESS: I felt the reason for this  
23 failure was the fact that the carload data are only  
24 carloads originating. In the case of l.c.l. carloads  
25 the fit was significant and I felt it was, therefore,  
26 even though the data may not be adequate, it might  
27 still nevertheless be desirable to keep it in the  
28 model.

29 Q. My point to you was that if carloads  
30 originated was not a proper basis for using carloads as





1  
2 an explanatory variable ---?

3 A. Why is l.c.l.?

4 Q. Why is l.c.l. with the same disability  
5 accepted by you as a proper explainable ---

6 A. Well, my criteria of choice was a  
7 combination of statistical significance and the K factor,  
8 namely, how the data are arrived at. I was willing to  
9 accept this l.c.l. carload figure even though it could  
10 be improved upon because even the l.c.l. carloads  
11 originated seemed to bear relationship with the cost  
12 and expenses.

13 Q. Well, you have again, Dr. Borts, taken  
14 the position that if --- it is down to a question of  
15 where the disabilities in carloads equal to the  
16 disabilities in l.c.l. carloads are greater than taking  
17 the gross ton miles in the supposition that gross ton  
18 miles are not a proper measure of employees working.

19 A. There is a matter of judgment involved  
20 here, yes.

21 Q. And so that certain tests may be applied  
22 to see whether that judgment is accurate, there would  
23 be tests on the ground looking at station work?

24 A. A station study might be one way of  
25 doing that.

26 Q. And now, gross investment which is at  
27 page 13 of your submission, once again, this is pyramidded?

28 A. No, sir.

29 Q. Not pyramidded?

30 A. No, sir.





1  
2 Q. This is not pyramidded. I am sorry,  
3 you are right. This is one that is separated, group  
4 separation and individually regressed.

5 A. Yes, sir.

6 Q. Did you apply co-variance in this  
7 before you decided to do your grouping?

8 A. The co-variance which is in there the  
9 co-variance test which the railway ran which was a  
10 test of the old model of east and west. When I fitted  
11 this thing separately I felt that the coefficients  
12 were so widely at variance with each other I did not  
13 run a co-variance on it. I simply kept it as it was.

14 Q. Even though the co-variance test and  
15 the uses of it that you described in your article  
16 would have suggested that would have been something  
17 you would have relied it on in view of the article.

18 A. As I say, I looked at the railways  
19 co-variances and accepted it but I knew there was no  
20 statistical difference between the model they have had  
21 east and west. What bothered me about the railways  
22 co-variance was one of their co-variances has a very  
23 low T value, 1.87, you will notice at the bottom of  
24 page 13. The consequence was that I felt a newer  
25 model was desirable. Now, the reason why a co-variance  
26 test could not be worked out here was simply because  
27 there are not enough observations to allow it to be  
28 done. As you are aware, there are 15 operating  
29 divisions in the west and 12 operating divisions in  
30 the east.





1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

Q. I would rather take that as 17 and 14.

A. Well, for some purposes you count them differently. There are grounds for argument as to what are the operating divisions. You understand this is the terminal divisions?

Q. Yes. But, Dr. Borts, the point here that I would have thought disturbed you was here you have in the west the variability under your equations is explained by gross ton miles and miles on track.

A. Correct.

Q. But in the east it is gross ton miles alone.

A. That is correct.

Q. And unless you have knowledge of different operating characteristics, in view of the fact that we are dealing with a road maintenance expense item ---

A. No sir, it is gross investment in road property.

Q. I am sorry, thank you, Dr. Borts. As we are dealing with an investment in road property factor, unless you had specific data that would show you that there were differences, east versus west, you should not have come out with different independent variables to extend dependent expense.

A. Well, I did not understand the imperative in your statement. What I tried to do was use coefficients that were significant if the split was performed. I might add that I tried to use miles of track in the east and it turned out that miles of track





1  
2 was not statistically significant and, therefore, I  
3 dropped it.

4 Q. Well, you see, what I suggest to you  
5 that you have overlooked is that in your equations you  
6 have nothing to indicate yard train switching?

7 A. That is correct.

8 Q. And in view of the fact you are dealing  
9 with road investment, this is a very material factor.

10 A. Well, I would agree that road investment  
11 covers yard tracks and running tracks and all the other  
12 items we spoke about before, power plants and stations  
13 and shops and engine houses, that is all included in  
14 this road investment. In road property what we are  
15 trying to do is relate this gross investment to a  
16 work unit.

17 Q. Well, Dr. Borts, if you could have been  
18 satisfied as to the value of T on one of the coefficients  
19 in the CPR model then you would not have rejected it.  
20 Is that basically what your problem is?

21 A. Yes, sir.

22 Q. Having come to the conclusion, basing  
23 your test on how they test coefficient and you felt  
24 you would have to go and look for some dependent  
25 variables that would give statistically significant  
26 results.

27 A. Yes, sir.

28 Q. Even though they may have difficulty  
29 of being explained on the basis of the knowledge of  
30 the operation.





1  
2 A. Well, I am not sure I understand your  
3 last point.

4 Q. You would accept these independent  
5 variables even though they did present some difficulty  
6 in the use of them from knowledge of operation of the  
7 railways?

8 A. That is a very vague question, I am not  
9 sure I know what you mean by knowledge of the operations  
10 of the railways. There are many types of railway  
11 service that may call for more exceptions that will not  
12 be corroborated in your equation or mine.

13 Q. What I am talking about is the east and  
14 west split and the actual use of the internal variable  
15 for the exception involved.

16 A. There is the question of whether it is  
17 understandable or not.

18 Q. In other words, what you have to do, in  
19 view of the equations you have got, you are up against  
20 the K test from here.

21 A. Right.

22 Q. Now, Dr. Borts, if you turn to page 18  
23 and in this connection you are dealing with a hypothesis,  
24 the possibility of car miles being a more appropriate  
25 unit than GTM?

26 A. Yes, that is right.

27 Q. And you made the calculation that you say  
28 that by using car miles instead of gross ton miles --  
29 this is on page 19, I think.

30 A. 18.





1  
2 Q. Page 20 you say this may mean that your  
3 study is somewhat conservative and that there may be  
4 an amount of some \$1 billion 300 million dollars odd  
5 involved.

6 A. That is correct.

7 Q. Now, I suggest to you that your  
8 calculation is based on the table at the top of page  
9 19, track maintenance and depreciation and 17 out of 47,  
10 let us say 45% is based on your equation 202A.

11 A. No, I believe that track maintenance  
12 figure is shown -- that 17 figure -- yes, that is  
13 exhibit No. 63R. Is that a CPR exhibit?

14 MR. MAURO: CPR exhibit.

15 MR. SINCLAIR: Q. I do not know.

16 A. My key to it is a CPR exhibit which means  
17 it is your own equation including superintendents and  
18 other additives that were put into it.

19 Q. Where did you get the investment in work  
20 equipment?

21 A. In exhibit 66R.

22 Q. And investment in road property?

23 A. Exhibit 66R.

24 Q. 63R is maintenance and 66C the other two?

25 A. That is right.

26 Q. So what you have done for the purpose  
27 of this calculation ---

28 A. Is to use your own figures.

29 Q. Is to use our own figures notwithstanding  
30 that earlier on you said the CP figures would ascribe





1  
2 a higher and proper charge to grain.

3 A. What we want to do was stay within the  
4 framework of your own study, assuming but not conceding  
5 what the figures were. I think that is a permissible  
6 procedure.

7 Q. And in excepting the car miles, again --  
8 I think we covered this in dealing with other points --  
9 you would not take into account the weight of the traffic  
10 in the car.

11 A. That is right.

12 Q. And you would not take into account the  
13 speed?

14 A. No one takes into account speed. There  
15 are no figures on speed which are in your data.

16 Q. I suggest to you that the weighting of  
17 two to one in gross ton miles is a speed reflection.

18 A. It is a speed weighting. There is a  
19 question that was raised in the cost conference as to  
20 whether it was appropriate.

21 Q. But yours has none, your car miles have  
22 none.

23 A. I am not sure of that because after all,  
24 if you have a passenger car mile and add it to the  
25 freight car mile the mere statement that they are  
26 equivalent in the terms of their effects on cost reflects  
27 implicit speed weight.  
28  
29  
30





1  
2 Q. Did you know that the fastest train  
3 on the Canadian Pacific is a freight train and not a  
4 passenger train?

5 A. I didn't realize that, but we are talking  
6 about averages over the whole traffic.

7 Q. What you are saying is that car miles  
8 does not give effect as well as weighting in gross  
9 ton-miles to speed factors, although what you are  
10 suggesting ---

11 A. No; what I am saying is, in lumping  
12 together passenger and freight, whether at one to one  
13 or two to one or five to one, has an implicit speed  
14 weighting in it.

15 Q. That you have got in weighting of car  
16 miles?

17 A. Not other than simply adding one passenger  
18 car mile to one freight car mile.

19 Q. If there is any significant weighting  
20 in doing that?

21 A. Assuming you have your 32 tons average  
22 load on your freight car miles; I don't know what  
23 the average load on a passenger car mile is, but  
24 it could not be anywhere near that, but there is  
25 automatically a speed weighting given by adding a  
26 car mile of one to a car mile of the other.

27 Q. That is your view?

28 A. Yes.

29 Q. Dr. Borts, if you had used car miles  
30 instead of gross ton-miles in your equations as





1  
2 explanatory, would the results have statistical  
3 significance and give an  $R^2$  variance you would have  
4 accepted? Did you test them?

5 A. No, sir; the only test I ran is included  
6 in a memorandum which I wrote to the Commission at  
7 the termination of the cost conference, which you  
8 have in your possession, which I would like to refer  
9 to and in which I answered the question about the  
10 relationship between car miles and gross ton-miles on the  
11 Canadian Pacific Railway. On the whole system the  
12 correlation between car miles and gross ton-miles is  
13 .994. It is .996 in the west, and .989 in the east.  
14 It was on those grounds I felt that the substitution  
15 of one for the other would lead to equally significant  
16 results.

17 Q. If you use car miles as a correlation  
18 with respect to investment, this assumes that, for  
19 instance, the actual weight moving over a given section  
20 of track does not affect the investment in it?

21 A. Weight per car?

22 Q. The weight per car.

23 A. That is correct. Or, let me put it another  
24 way, if I may reinterpret your statement: it assumes  
25 that the weight per car is not reflected in any  
26 difference in gross ton-miles, which is amply borne  
27 out by the data.

28 Q. I suggest to you gross ton-miles does  
29 reflect weight per car?

30 A. If it does I would like to see the evidence,





1  
2 because the correlation data I have cited to you would  
3 seem to indicate the contrary of that.

4 Q. What I am suggesting to you here again  
5 is that the K test is helpful.

6 MR. MAURO: Were any of the K tests provided  
7 to the cost conference?

8 MR. SINCLAIR: I wonder if my friend would  
9 mind sitting down.

10 MR. MAURO: Oh yes, I would, and I would expect  
11 the courtesy of my learned friend when I stand to  
12 place something before this Commission, because this  
13 Commission had great faith in the cost conference,  
14 and if they have these meaningful figures, the place  
15 to put this material and all the K tests was before  
16 the Commission staff and our experts, Saunders,  
17 Williams, Banks and Borts.

18 THE WITNESS: I think the K test means there  
19 are no figures.

20 MR. MAURO: Well, obviously.

21 MR. SINCLAIR: Thank you, Dr. Borts; I  
22 think that successfully answers it.

23 MR. MAURO: Let us hear about the correlation  
24 figures and the K tests.

25 MR. SINCLAIR: I think the witness has  
26 properly answered it.

27 MR. MAURO: He certainly has, and he has  
28 answered you too.

29 MR. SINCLAIR: Q. Dr. Borts, would you mind  
30 looking at Page 41: do you see there where you make





1  
2 reference to account 202, and that was before you knew  
3 that the regression of Canadian Pacific was on 31  
4 divisions?

5 A. Oh yes; thank you for that. Is there  
6 an error on Page 43 also -- no.

7 Q. I would suggest, now I have brought that  
8 to your attention that would mean you would not be  
9 able to use the examples set out on 41 and 42.

10 A. No, I don't think it changes anything  
11 else, sir.

12 Q. Well, I would suggest to you this,  
13 that what the Canadian Pacific was saying in the manner  
14 you interpreted it, and the way you did, because you  
15 were under the impression that 27 ---

16 A. Let me make one point clear: there are  
17 many equations where you did not use 31 divisions:  
18 for example, your station employees.

19 Q. Well, if you will listen until I finish  
20 the question, this is what I am saying: you have used  
21 as your example track maintenance.

22 A. Yes.

23 Q. I am suggesting to you what Canadian  
24 Pacific was saying to you -- and maybe this is going  
25 to help clear up this misunderstanding -- what they  
26 were saying in the evidence was that while they made  
27 an adjustment with respect to terminal divisions,  
28 the largest of which would be involved in station  
29 employees -- nothing to do with traffic -- that because  
30 of the way Canadian Pacific necessarily is operated





1  
2 with a large headquarters in the Montreal terminal  
3 division and a large headquarters in the western  
4 division, that there is no adjustment factor that can  
5 be made to change and run through from a 27 to a 31  
6 base and pick up for the constant the distinction of  
7 those two large impacts of station employees?

8 A. You raise a very interesting question  
9 in view of the fact the data you sent down to us  
10 indicated that there were no station employees even  
11 recorded for those four terminal divisions, and yet  
12 when we tried to reconcile the total in the 27 divisions  
13 we found there was something like \$30 million missing.

14 Q. \$15 million, I think.

15 A. Well -- on a three year basis. So,  
16 I understand the need for the reconciliation. If this  
17 was the only purpose for that change of procedure  
18 you would have my heartfelt sympathy at having over-  
19 looked it initially.

20 Q. I will say to you, Dr. Borts, this:  
21 assume with me that your variable costs freight and your  
22 variable costs passenger are properly determined,  
23 and you subtract these from railway expenses; the  
24 remainder is what we have been terming here "Unexplained  
25 cost", or what we have been grouping in constant.

26 A. Yes.

27 Q. Even though we have in that group items  
28 such as we have discussed today which we know in part  
29 are variable: for instance, snow.

30 A. Snow.





1  
2 MR. SINCLAIR: Thank you, Dr. Borts. I  
3 appreciate very much having had this opportunity of  
4 discussing your paper with you, and I thank the  
5 Commission for giving me the opportunity.

6 THE CHAIRMAN: Mr. McDonald?

7 MR. McDONALD: Mr. Chairman, there is one  
8 item which Mr. Sinclair has not touched on and that  
9 is, The Effects of Multiple Car Cuts on Classification  
10 Switching Costs, starting at Page 20 of the memorandum  
11 and continuing on. The Winnipeg yard of the Canadian  
12 National is referred to there and I would point out  
13 to the Commission that the position of the Canadian  
14 National was outlined by Mr. Bandeen in his evidence  
15 in Volume 75 at Pages 13180 to 13186. Rather than  
16 get into an involved cross-examination here, if  
17 we consider it necessary to supplement that, or  
18 bring Mr. Bandeen back for rebuttal, we will do that  
19 in January, to shorten it up.

20 Mr. Sinclair has covered the whole field.  
21 I had a number of questions, but they are all covered,  
22 and I want to say to Dr. Borts he has made an excellent  
23 witness, been very responsive, and I have enjoyed  
24 hearing his testimony, and I have no questions of  
25 him.

26 MR. MAURO: I don't think any re-examination  
27 is necessary, Mr. Chairman. Perhaps Dr. Borts may  
28 be excused, with the permission of the Commission.

29 THE CHAIRMAN: Thank you very much, Dr. Borts.  
30





ANGUS, STONEHOUSE & CO. LTD.  
TORONTO, ONTARIO

Borts

20428

1

2

THE WITNESS: Thank you very much.

3

4

THE CHAIRMAN: I think you will be glad to  
get away today. That being the last witness now,  
there will be adjournment of the Commission until  
January the 4th 1961, in this room at 10 a.m.

5

6

7

8

---Adjournment.

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30











HANDBOUND  
AT THE



UNIVERSITY OF  
TORONTO PRESS

